Rush Rush

Dr. Gloss

Benjamin

Spasmodica

This I define to be Irregular Motions in the Voluntary Muscles

Spasmodic diseases are divided into

1, Clonic,

2 Tonic,

The first is attended with relaxation, The second with constant Convulsion the first disease of this order is

Tetanus,

This is a rigidity of the Muscles, accom=panied with a contraction of the Lower Jaw, I say generally) for sometimes the Jaw opens, and this is called in the West Indies. the Jaw fale, and occasional Convulsion,

This definition includes Opisthotonos, Emprosthotonos, and Trismus,

The predisposing cause of this disease, is debility, this I infer from its occuring in hot Countries, in warm weather after fatige, and other causes of debility,

In the West Indies it is most common when they have most Intermittents. Of the French Troops who were at the Seige of York-town, none who came from New-York were troubled with it. On the contrary those who came from the West Indies were much afflicted with it

The exciting causes are.

1. Wounds. they act by Irritation only. it follows wounds of all kinds. even Amputation. but the most common exciting ones are, Gun Shot wounds. It is not necessary that a Tendon should be wounded, or a Nerve cut half through. to produce this disease, as was formerly supposed. but it may take place, even if no Tendon were wounded. Or the Nerve wholly divided

The reasons why Tetanus follows, more commonly Gun-Shot wounds, than other wounds are.

1. Great fatige.
2 Contusion joined with it, which does not dispose to inflamonation.

I knew a case where the disease, came on six weeks after the Wound was received.
The late Doctr. Monro mentions a singular case, brought on by walking too soon, on a Bone that had been broken,
The time it comes on after the injury receiv^d is, from one day, to six weeks
In the West Indies it seizes immedi=
=ately
I knew one case where it came on the first day, from accidentally striking the toe against a stone. Another where it attacked the day after, and the patient died on the third day
It is occasioned by drawing teeth. I knew one Case and heard of another.
2, Exciting cause, is Cold producing debility, applied particularly to the head, it has frequently come on where the person has been Sleeping with his head exposed to a current of Air, in a warm Summers Night, debilitated by the heat and Labours of the day.

The sick in the neck is the first symtom
I have heard of a Trismus occuring two hours after drinking cold water. Cold acts by encreasing the debility already too great.
That debility should be the cause of spasm, is no new opinion. Dr. Hoffman constantly repeats as a matter of importance
"Attonia gignit spasmi"
3. Exciting cause is terror.
The Tetanus was once so common in this City, that it was said to be Epidemical, this was owing to their being a greater number, than had had it before, and that magnified by the dread of the disease, served to encrease its effects. I have one known a healthy man seiz'd with it from a fright. Case of a Brewer who had had it in consequence of a fright, in warm weather after Labour.
Another case of a person who was seized with it, on seeing a Girl tread on a nail,

sometimes wounds which are very superficial occasion it. especially if fear succeeds. I knew an instance of a man having it from cutting a Corn too close,

4th Cause, are acrid matters in the Alimentary Canal, this is common in the Negro Children in the west Indies and among the Germans in this Country. the cause of this is, Meconium assisted by warmth of Climate in the west Indies, and Stove Rooms among the Germans

That Meconium is the cause of it, I infer from a purge curing it. It is prevented by giving a gentle purge immediately after birth.

5th Cause are, Vegetable Substances. One instance ~~of a vegetable~~ its being produced by a Vegetable Substance, French-Men eat of the Drop-wort Hemlock, instead of Greens, it first brought on universal debility, and then Trismus - -

These are the principle causes of the Idiopathick Tetanus.

The symtomatic Tetanus is produced by Intermittent fever. Histeria &c.

Case of a company of Surveyers who all had the Intermittent, and then Tetanus, of which all got well by parts.

Men are more subject to this disease than women, and lo burst more than the Aged, and infirm.

The proximate cause is, excess, or deficiency of Action in the Nervous System.

Dr. Chalmor mentions the pulse being as slow as 40 in Minute. (See Dr. Cullens first Lines)

From whence does the preternatural strenght, in Spasmodic diseases arise?

A Man in France of a moderate size; for a wager eat 2 pounds of Garlic, in a little time after he became Mad, and so saving that eight men could not hold him;

The hard tendon of a horse, which answers to the Tendo Achilles in man, will support four times as much weight before, as after death.

How is this great strength to be accou=
=nted for? I shall endeavour to accou=
=nt for it, by supposing, there is a latent strength in the body, which is evolved on certain occasions.

"A violent blow goes further than its sensation."

2. Infer this doctrine of latent strength

1. From the great simplicity, and uniformity in the works of Nature.

2. From the Sympathy between the operations of the Mind, and Body.

3. We learn from Chimistry, that fire exists in a latent state with=
=out either light or heat.

There is fire enough in a piece of wood to burn this City.

and in the Ocean to burn the Globe,
Life likewise exists in a latent state
in many Animals in the winter,
Dr. Walker relates a fact of a toad
taken out of a stone, which had been
a foundation stone to a Building
for about 300 Years, he was cut in two
bled, and was Convulsed,
Besides these, there are latent powers,
existing in the human mind,
1st. We see the understanding, unfolded
by Composition,
2d. We see it invigorated by the opera=
=tion of passion, who has not heard
men eloquent in Anger?
3d. We see it further invigorated, under
the influence of the great and sublime
objects of a future world,
I am not singular in this opinion,
of the energy of the soul, acquired
by its proximity to futurity,
Xenophon makes Cyrus say, that
the soul in the hour of death,

aquires something of the divine,
All the Poets have taken notice of this.
and there are few such accurate observ=
=ers of nature, as the Poets. Homer.
makes Patroclus in the hour of death.
prophecy the death of Hector, and
the same Hector in a similar situa=
=tion, the death of Achillis.
One of the later Poets; "Nam ubi tor=
=piscunt" And Shakespear makes
the dying - -
O! could I prophecy.
But that the cold hand of death.
lies heavy on my tonge,
Milton too takes notice of it in this
passage.
"Till old experience do attain,,
"To something of a Prophetic strain"
We behold the memory too, as well
as the understanding, unfold under
certain circumstances,
Under Intoxication,

Fact of a man in Edinburgh, who had learned French, in the early part of his Life yet had forgotten it, so as to be unable to talk it, yet when drunk could speak it fluently.

So - we behold latent memory in delirium, unfolded.

The Countess of Laval had been nursed by a welsh woman, and when a Child, had been learnt to speak the Language, but on growing up, had entirely forgotten it. In a fit of Sickness she became delirious, and during the continuance of the delirium, she spoke a language which none of her attendants could understand, An old welsh woman, coming one day to see her, perfectly understood what was said.

After she recovered, she could not speak welsh any better, than before her Illness, & was even ignorant of her having spoken it when sick.

3. It is likewise awakened by Madness. Case of a person, who had spent three years in the early part of his life, in learning the Latin, and Greek, Languages, after which he went into business, and totally neglected them for ten years, at that time he was seiz'd with Madness, with which, his knowledge of these lang=-uages revived, he again read them with pleasure, and the reading of them continues to be his only delight.

Lecture 37.

We go on to finish the analogy, between latent strength, and other latent powers.

4th Latent memory is likewise ex=-cited by dreams, since it is freq=-uently the case, that we see, in our dreams, and perfectly remember faces long since forgotten.

We seldom dream of those who are with us.

and whose images are strongly fix'd on our minds.

The Lover cannot dream of her he Loves, unless it is an evanescent state.

It is awakened likewise by Old age, hence we see people of 50, or 60 years remember things, which were done in an early part of their life perfectly.

tho they had once forgotten them, we see latent strength breaking out, sometimes in the passions, and where it was least expected.

We see sometimes, Old Maids, and Bachelors, get in love with a heat of passion, which favours more of Convulsion than Nature.

Cowards are sometimes, by certain circumstances, stimulated, to a convulsive performance of great, and astonishing Actions.

Misers too are sometimes so wrought upon by the unexpected supplication of distress, as to their pity in a Convulsive act of Charity

We see it sometimes awakened, into extraordinary ~~actions~~ exertions, in healthy persons.

A Lady who during the Illness of her Husband, for six weeks never undressed herself, or slept more than half an hour in a day, after his recovery, she sunk into a very weak state, which ended in Pneumonia,

Absence in one of them
great excess of action in

Mania

May not the excitement of the system, be turned into excitability in Hysteria?

May not Excitement, and Excitability, be to each other, what water is to Vapour?

Excitability latent Excitement sensible.

In Tetanus great Excitability at first

Cure.

The promonitory symptoms are, pain in the pit of the Stomach, stiffness of the Neck, and sometimes a closing of the Jaw.

Opium, Bark, and Wine, cure it in this stage. If there is a wound it should be dilated, and Spirits of Turpentine or some other stimulating substance should be put into it, As the wounds are very often superficial, they are apt to close, if they do, they must be opened, for by this an Inflamation is raised and the Tone, thus induced causes a solution of the disease, Spasms.

If they are not given in season, and the disease goes on, the most powerfull stimuli have succeed

If it occurs, from being exposed to the open Air &c. an Emetic should be used

Mr. John Hunter recommends sedatives, and said, as I had it from one of his Pupils, that were he attacked with it, he would throw himself into an Ice house, or fly to Nova Zembla,

How can we reconcile these contrary opinions?

In the same way, as Bleeding is used in the begining and Bark and Opium in the close of a disease.

Tetanus has two stages, in the first, as being Inflamatory, Sedatives are proper, and in the succeeding as being the reverse, stimuli are to be used. For want of attention to this both these species of Remedies have failed.

The advice of Mr. Jno. Hunter, can only be followed with propriety, when excess of Action is present.

The Cold Bath must be used, with the greatest caution, but it should not act as a Stimulus.

To prevent this, the utmost care should be taken, not to expose the patient to a warm Air, and the water should not be wiped from his Body.

Is Bleeding proper in cases of excess of action in this disease?

The state of the pulse, appearance of blood when drawn all forbid it,

I have never seen any advantage, from it, instead of it to take down Inflamatory action, a Vomit exhibited alone, should be used,

And I thus publickly declare, that I think, I once lost a patient by Stimulating instead of exhibiting a Vomit.

I mention this to impress upon your minds, the certainty of their being two stages, I have seen them of service in two cases,

Another case I have seen of a Boy, who run a Nail in his foot, where I was not called till the third day, the patient had a stiff Neck, and a Contraction of the Jaws, I gave him a pretty severe Emetic, these symptoms after, disappeared in some measure, but not daring to trust to this remedy alone, I poured in the Barks, and cured him, perhaps the treatment is more proper here than in the West Indies, If Costiveness attends, a gentle Glyster is to be used,

(see Dr Cullen)

When deficiency of action commences, the following remedies are to be used.

1. Opium, but as the stimulus of this is soon over &c. -

2. Bark &c.

3. Wine, both in large quantities may be used. Dr. Currie (of Liverpool) in a letter to me mentions his having cured one person by a Quarter Cask of Madeira wine, other stimulants may be used, as. Turpentines, Oil of Amber, Flour of Mustard &c. all which have been successfully employed.

4. Cold Bath, so as to obtain its stimulating effects, the patient should be plunged &c. (see page) #

5. Mercury, this should be used early in the disease, externally in the form of an Ointment, and internally so as to excite Salivation, and cause Inflammation which communicates Tone to the Nervous System. I have never heard of its being useful without its producing Inflammation,

In the use of the cold bath, it is necessary that the digestion, shall not have been much impaired or the vigour of the circulation much ~~impaired~~ debilitated, lest the action of the cold be too strong for the living powers — It is not usefull in Symptomatic Tetanus, unless in the earlier stages of the disease when the vigour is less impaired & the convulsive actions less fiercely caternated — used in the Hot stage of Intermittents & Tythus — not to be used after profuse perspiration has taken place — or when the extremities feel cold, whatever may be the heat of the central parts. The stimulating action of cold tho short in duration is powerfull in degree — In the torpor of Convulsion when weaker stimuli are unperceived the affusion of cold water on the naked body will often excite the dormant sensibility & introduce a new action throughout the nervous system } The chief benefit derived from the cold Bath in Convulsive diseases depends on its being used in the paroxysm of Convulsion, that its Efficacy consists in resolving or abating the paroxysm, & that when this effect is produced the return of the paroxysm is greatly retarded if not entirely prevented — see class apoplexia Dr. B —

The powerfull stimulus given to sensation destroys the previous disease solution —

In the convulsions of Children, the cold bath is a most usefull remedy — whether the disorder originated in worms, or other causes —

In the Hysteric paroxysm it is an Infallable remedy

In Spasmodic diseases which rise not to general convulsion, it seems to be of inferior efficacy —

In Chorea St Viti it is not serviceable —

To counteract the effects of cold Bladders of warm water to the Stomach — } Dr. Currie

a Letter from Dr B. of one of the West=India Islands, mentioned to me, of that my method of cure, had succeed in three cases out of four.

There are several cases of symtoma=the tetanus, from Gout, Histeria &c. they are all cured by Stimulating Medicines,

The next disease is.

Hydrophobia

It is defined a painfull convulsion of the Pharynx, accompanied with a dislike, and horrour at any kind of drink, induced for the most part by the bite of a mad Animal,

It is improperly called Madness, because in most cases, the reason, is unimpaired, (For a history of this disease see, Dr Boerhaave)

The proximate cause is excess, or deficiency of Action in the Nervous System,

The predisposing cause is debility,

The exciting cause are -

In the apoplectic state brot on by the fumes of charcoal the ~~cold~~ affusion of cold water is a remedy, of all others the most efficacious - -

Currie

1, Usually the Poisons of Mad Animals, as dogs, cats, wolves, horses &c. the most common of which are Dogs & Cats, The chief cause of this disease in Dogs, is, their being too much fed on Animal food, this is injurious too to their Owners, as their usefullness depends on their Activity, and sagacity,

What part of a mad Animal is infectious? some say the Blood, Saliva &c but I suspect the truth of this from the following facts. A family in Chester County, drank of the Milk of a Cow, which had been bit by a mad dog, without any inconvenience,

A Gentleman in Maryland had a hog killed by the bite of a Mad dog, and his Negroes eat of it without any bad effects.

It has been said that the Infection, was communicable, by playing with, and kissing dogs, but there are no well authenticated facts of this having ever happened,

Canine madness has never been seen on the immense continent of S. America formerly unknown in the W. Indies –
The influence of the air generated the disorder in 1803 in the W. Indies, for it was general & many Dogs were seized with it that had no communication with others, & some dogs that were brot from Europe, & N. America & that were not on shore went mad on their arrival in the harbours of the Islands –
Mercury is of no use in the cure

Morley –

The Saliva, is said to be the cause of this disease, but I believe their is no Instance of its ever happening, unaccompanied by a wound, The time of its appearing is about 40 days after the bite, sometimes more or less, When the time is longer, it generally runs on to the hot Months, but there are some facts, which would make us believe, that it may be con=
=cealed in the Body, from one to 20 years,

Dr. Sitton of Dover, has mentioned a case of this kind, but I believe it cou'd not be so long without appearing, I am convinc'd that it must have hap=
=pened from a cause that had operated much later, all our endeavours, should be used to destroy an Opinion, so contrary to the welfare, and happiness of Society,

Another cause is Night Air,

Dr. Arths of Hispaniola mentions, a case of a Negro, who caught it by sleeping in the Night Air, after his fatige,

3. Exciting cause is thirst
4. Putrid flesh.
5. Worms,
6. Histria
7. Eating of Beach Nuts.

From the history, and causes of this disease it appears nearly related to Tetanus,

There are some reasons for supposing this disease, and the tetanus to have been originally, and even yet the same disease

1. From their having sometimes particular symtoms in common,

Mr. Babington in his paper on Hydrophobia says, that a pain in the stomach is a Pathognomonic sign of this disease, this very symtom occurs with equal force in the Tetanus,

see Hydrophobia from a fractured Leg.

2. From their both arising from the same causes, (viz) heat, fatigue, histe=
=ria, wounds &c

I do not deny that it arises from the Bite of a Mad Animal, but when I think that the teeth, of a dog are Obtuse, and that in wounding they must bruise, and lacerate the parts, I am inclined to believe that in most cases, it acts, as a rusty Nail does in producing Tetanus, The fear too which follows a dog bite, strongly predisposes to Hydrophobia, and hence it greater Violence,

I believe that the dread of drinking, arises from an association of Ideas, the person remembering the pain he felt in a former attempt, rather than from any thing specifically causing it, I have one fact, in support of this opinion, and a fact usefull in two ways,

The son of a Farmer in Germany, made his escape from a recruiting party, after having run some consid=
erable distance, fatigued and thirsty, he went into a tavern to drink,

as he was lifting the Cup to his Mouth. the door burst open, and the Sergeant of the party entered. At sight of him the Cup dropped from his hand. he was seized instantly with Convul=
=sions and fell down, after a while he recovered, but the next time he en=
=deavoured to drink, he was seized with similar Convulsions, and for seve=
=ral Months he was so afflicted — so strongly did association connect the horrour of the Sergeant with 10 or 12 Men with the drinking.

3. From their yeilding to the same remedies, and this leads me to the

Cure of Hydrophobia

There have been a great many quack Medicines proposed, and cried up for the cure of this disease, but none of them are to be depended upon,

The wound should be dilated, nothing seems more perfectly to prove the propriety of this, than the cases, related by Dr Fothergill, of the washer=woman,

Cure Lay open the wound the full length & apply the Lunar Caustic all round the wound & deeper than the wound then Keep up a suppuration for a fortnight — Vinegar both Ext. & Int. — & in all their dieb — W. L.

Drep the wound with acid drepings —

and Gentleman who were both bit by the same Animal, the first living hardly, being obliged constantly to follow her business, kept her wound open for a long time, and had no disagreeable symptoms following. The Gentleman on the contrary, was suffered to heal up, and he fell a victim to it, notwithstanding all the endeavours of his Physicians

The Cold Bath should be used daily, and perhaps at the same time, Bark, Wine, Mercury should likewise be used,

It appears to act here, as in Tetanus, In. Hunters idea should be realized if there is much strength and Inflammation,

When there is debility the most Stimulant application should be applied,

Fact that happened in Jamaica, a Negro Boy, and two Sheep were bitten at the same time,

Dr. Hager attended the Boy, and treated him, as if he had the tetanus, the boy escaped, but the sheep not being attended to died.

Would not the actual Cautery to the part be proper?

Dr. Mathews recommends it.

All the remedies, and all the principles in the Tetanus

Lecture, 38th

Convulsions.

This is an Irregular Clonic Contraction of the Muscles without sleep.

These are, what are commonly called fits.

The predisposing cause, is debility.

The proximate cause is excess of Irregular, or defect of Regular action in the Nervous System,

The exciting causes are pain. Hemorrhages. Plethora, and all the causes of debility,

The cure is the same as Tetanus.
When excess of action and much strength attend, Bleeding and Cold air should be employed, when it occurs in the Small Pox, the chief remedy is Cold Air,
Pediluvium is improper before excess of action ~~has~~ taken down, opening the windows and doors is proper,
Laudanum is proper, but not during excess of Action, The Cold Bath should be used for two or three hours together, if it could be thus applied it might be of great service, I have both prevented, and cured this disease by Opium, but it is only to be used before excess of Action has come on, or after it has gone off, I once encreased the Convulsion by thirty drops of Laudanum given to a person in whom the disease had been brought on by a gross supper, and was obliged to take ℥xo of Blood, from him before he recovered, We should always begin with small doses and encrease them,

Care being taken, that the stimulus should be accomodated to the Excitability of the System.

Case of Dr Steadman in the Medical Essays,

The disposition to Convulsion in Children, is prevented by tonic Medicines

There are but few instances of its being fatal, in the begining even in the small Pox where

It is generally fatal in the Close, and when it attacks Pregnant women, this is commonly the case when it arises from hemorrhages,

The next disease is

Epilepsy.

I define it to be a Convulsion of the Muscles of the body with Sleep.

It is called the Morbus sacer &c

I enter upon the treatment of this disease with reluctance, as I know little more of it than I did 20 years ago. But tho I may not advance any thing new upon the treatment, I hope I may

stimulate to more accurate inquiry by delivering a new Theory.

There is great resemblance between diseases of the Arterial and Nervous systems, the same analogy exists between Tetanus & Hydrophobia, as between Pneumonia and Rheumatism. And as we have marked a middle stage of disease, one in which there is a mixture of excess & defect of action under the name of Typhoides, so it seems probable, that in Nervous diseases, there should be a state resembling it.

1. From the persons it affects, they being neither the most robust, nor the weakest: it is known among the Creek Indians. And even Julius Cesar, was affected with it to imbecility.

2. From its symptoms, the Convulsions being not so violent as some others, and the debility not so great as in apoplexy.

3. From patients perfect state of health during the intervals,
4. From the efficacy of Medicines, in curing it,
The proximate cause of this disease, is mixture of excess, and defect of action in the Nervous System,
The predisposing cause is debility, from a morbid state of the Brain, from a bad conformation,
The exciting causes are, Intemperance, in Eating and drinking, a morbid state of the Brain, Effusion of Blood, Pus &c in the Brain, But effusions of water, pus &c are perhaps rather effects, than causes of debility, Great heat, great exercise of the body, understanding and passions, Excess in venery, and particularly onanism, sudden frights, I have known one by a Shipwreck, one from seeing a Cart-wheel over a mans leg in the Street, and I have one case at present, of a young Man, who was waked up at 10 O'Clock at Night and going

to his Window, saw the Effigy of General Arnold carried along the streets of the City with great noise, & that of the devil ready to receive him, he had heard nothing of it before; the horrible looks of the Effigies, and every thing united, terrified him so much, that he immediately fell into Convulsions, and has ever since been subject to the Epilepsy.

Among the exciting causes are, violent pain, and retention of Acrid matter in the Alimentary Canal, Poisons, repell'd Eruptions, weakness induced by Hemorrhagy, suppression of unusual evacuations, and Plethora.

It is likewise produced by the Aura Epileptica, this has been cured by applying the Caustic, to the part from which it originated,

All these produce evident debility, and hence Excitability,

Precursers are

1. A bitter taste in the Mouth, for two, or three days before the fit;

2. Enlargement of the pupils,
3. Tremor,
4. False Vision, I once prevented a fit of Epilepsy in a Gentleman, who had this bitter taste; by an Emetic, this is a solitary fact but it may serve to throw some light on the subject;
If the pulse is full tonics are proper, if weak a dose of Laudanum,
Remedies are,
Vegetable and Metalic Stimulants substances,
The Mistletoe has been recommended, but it is useless and likewise the Oak Bark &c
Sr. Jno. Elliott said that he had cured the disease, with powder of Orange Peel, his Brethren ridiculed him for this, but I do not doubt the fact, and I attribute it to the gentle Stimulus of the Medicine,
The Metallic Stimulants are Copper, Iron, and Zinc, Copper is generally used in the form of Cup. Ammon. and Zinc in the form of Flowers,

Epilepsy

Of the remedies employd during the intervals of Epilepsy the Oxyd of Zinc seems to have some efficacy - but the Digitalis still more -

When periodical - a Cataplasm chiefly of Tobacco applied to the scrobiculus cordis about half an hour before the expected return of the fit &c usefull in obstinate Intermittents previous to the expected accession of the paroxysm -
A decoction of half a drachm of Tobacco in ℔ ij of water as an injection repeated for several days destroys the diseased Catenation -

Cunie

Venæ Sectio - Cathartics & a spare diet for a few days -

℞. Argent. Nitrat. Medull. panis a.a. ℈ss M - & divid. in pill. N° xxx - One to be taken night & morning - after taking four of the pills increase to 3 a day to be continued for 2 months -

℞. Calcin'd Zinc eight grains
Conserv Roses -- a sufficient quantity to form a bolus - to be taken twice a day

Dr Saunders

I have seen these do service, and I ascribe it to the mildness, with wich they stimulate, their stimulus being accommodated to the debility of the System, they should be given in small doses from ½ to 2ℊ^rs

2. Issues and Setons,

3. Mercury, given ex. ac to Salivate, Dr Smith of London mentions it to be very usefull, when continued for a Month, or Six weeks. and has cured patients by it,

4th. Cold Bathing, has been recommended, but I have never seen it do good, perhaps it is too stimulating,

5th. Change of Climate, I have known the disease I have known the disease suspended for two years, in England, and come on again, after the patient returned, It may act by altering the action, or changing the stimulus, of the Air, and changing the Association of Ideas

6th. Low diet &c

7th. Full diet according to the state of the System, both have answered, When Inflamatory diathesis is present, Bleeding and Low diet are proper, A Celebrated Painter had ~~two~~ fits two or three times a week, and had eaten his Victuals by weight, growing tired of this maner of living, and obtaining no relief, in consequence of which he paid his Doctr. and afterwards, lived well, drank wine, and punch, by which means he had no attack of the disease, for Six Months.

8th. Avoiding all the occasional and exciting causes, especially Cold feet, Nature has furnished us with some radical remedies, as

1st. The change of Constitution which takes place either at the 14th 35th or 40th Years,

2d. Child-Bearing. I have known some who were subject to this

disease entirely cured of it, after having born Children,

3 – Hard Labour, and life, It was said that Julius Cesar, was free from this disease while he was employed in the labours of war in his Camp, (See a fact of Julius Cesar in Lord Orrery's letters on Swift)

I knew it suspended by –

1 – Fear and Terrour, Case of a Girl in Edinburgh Infirmary in Epi=
=lepsy, Dr Cullen then attended the wards, her fits used to come on every day at 12 O'clock, the Dr told her he would apply the hot Iron to her, she was so terrified by this, as to have her fits suspen=
=ded for three weeks,

Volition, A Gentleman subject to this disease, told me that whenever he felt the fit comeing on, he could often suspend it by some violent act of the Will,

3. A small dose of Opium, before the fit has prevented it.

Dr. Brown mentions a ~~case~~ patient cured by Bleeding, who afterwards was seized with a dropsy, from the manner in which he mentions it I suppose he means to reprobate the practice, But in some cases I believe it may be safely followed.

There is frequently some excess of action in Epilepsy, may not this be taken down with propriety by bleeding and then Tonics used -

As the Nervous fever, is never cured till the tone is taken down why may we not do the same in Epilepsy,

Hysteria,

This is the same disease as the former, only attended with less action and more debility, It is known by a gnawing, or rumbling in the Bowels, a sensation like a ball, turning in the Belly, ascending to the ~~throat and~~ stomach and Throat,

Hysteria

This disease arises from ... seems to be con-
-nected with a peculiar state of the Genital
System. which drawing the system into con-
-tact with them, produce convulsions. It
seldom or never appears prior till the age
of puberty & after the age of 45. or when
menstruation ceases unmarried women most
subject to it –

Cure. Tonics often increase the disease
the paroxysms are most apt to occur about
the time of menstruation. Cold water
thrown upon the pubes sometimes puts
off the fits – Cold & then warm immersion
argent. Nitrat –

Antihysteric Mixt.

℞. Tinct. Asafetid. ℥ss
Sal. Volat. ... ℥ij
Camph. Julep. ℥vi mix –

2 large spoonfuls to be taken every 3 or 4 hours
to each dose of which in obstinate cases
a tea spoonfull of Ether & 10 drops of Laud.
The feet immersed in warm water &c –

and thro threating suffocation, sleep,
Convulsions
attended with fickleness of mind, or as Dr
Sydenham says, (Constant only in Incon=
=stancy)
It has been called a Protens of diseases,
and it indeed, counterfits almost every
disease, One half of one third of His=
=teric diseases, is left by two thirds of fevers,
It appears in the form of various
diseases, Apoplexy Hemiplegia,
Cholera Morbus, Dropsical swellings of
the hands and feet; Which are distin=
=guished from true dropsy, by appear=
=ing in the morning, and not pitting,
Dyspepsia, Palsy, Ischuria, Lumbago,
Sciattica, Coldness in the extremities,
a small spot on the head called
Clavus Hysterius, besides these, it
has symptoms peculiar to itself, as,
dishondency, fears, sobbing, Love, hatred,
anger, tremors, wakefullness and fright=
=full dreams, these are all excited by
the slightest causes, and likewise the
reverse of all these,

A very common thing is to see, the patient use a violent fit of Laughter, and as quickly that changed into one equally violent crying, and this without any visible cause,

(For a discription of a Paroxysm, see Dr Cullen)

Women are more liable to this disease than Men, It generally appear in Women, from Puberty to thirty five, sometimes after thirty five, from 40 to 45, It principally affects Women of exquisitely Plethoric habits, and Maids, Women of Masculine habits, it sometimes attacks before puberty, A Child seven years old, was affected with Hystiria,

Widows and Barren women, are likewise very subject to it,

It is distinguished from Epilepsy, by no foaming at the Mouth &c

The predisposing cause is debility, connected with Inanition or Plethora

The remote causes are,

1st 1. Excess or defect of the Menstrual discharge, or Obstructions of it,
2. Leucorrhea, or Fluor Albus,
3. Lasciviousness, and debilitating drinks, as strong teas &c.
The proximate cause is a mixture of excess and defect of Action in the Nervous System.
The functions are less disturbed than in Epilepsy, a great degree of Mobility occurs in this disease, but the Excitement is weak,
The order in which these diseases stand is
1st Tetanus,
2. Hydrophobia,
3. General Convulsions,
4th Epilepsy,
5th Hysteria,

Cure

The indication of cure is to change it to regular excitement. this is effected by Stimuli,
1st Cold Bathing, Air Bath is sometimes used,

and may be used, when the Cold=
Bath cannot be had. this is attain'd
by sitting in a Cold room, till
you are quite chilled, then going
into a warm one,
2 - Stimulating Gums as Assa=
=fœtida, Myrrh, Galbanum,
Sagapenum &c
3 - Stimulating Applications to
the Bowels, a Galbanum Plaster
applied Externally is very good,
4th - Tight Compresses round the Abdo=
=men, Van Swieten, relate a case
of a Lady; cured by being tightly
wrapped up in Bandages,
It acts by giving tone to the whole
System
5th - Accommodation of diet to the state
of the System,
6th - Exercise, particularly riding on
horse=back,
7th - Constant pursuit of some invi=
=gorating employment,

Of all others the business of attending in a Garden is the most agreeable for women. She should be made to entertest herself in the growth, disposition, beauty, and Nomenclature of herbs, and flowers, in importing and Culti=vating foreign ones ~~to~~ and introducing all the ~~foreign~~ various productions of our Country, that are unknown, now, or disregarded. She should be ~~urged~~ engaged in the pleasures, and tender cares of a family, and this should be repeated, to her to encourage her, that few good house ~~wives~~ women are subject to this disease. It is only those who ~~are~~ have no cares on their Minds, who are troubled with it.

A Lady of this City was subject to this Hystria, complaining to another of her Misfortune, asked her, if she could tell her of any remedy. Pray (says she) to Heaven for some real Misfortune.

8th The excitement of some steady passion, (which is different from Emotion, as that often bring it on) Fear, and Grief have often cured it, but the delightfull enthusiasm of true Religion has a considerable in=
=fluence in curing this disease,
Mr Whitfield told me that several Women who had formerly been, Hysterical, had joined his Church and became interested in the duties of Religion had ceased to be effected with Hysteria,
A Hysterical Woman, looving her Husband, generally looves her dis=
=ease,
9th Cold Climate or Cold Air,
The remedies in the fit are
1st When great Plethora attends bleeding, Cold Air, Clysters
2. When Costiveness Purges,
3. Opium if Spasms are present,
4th Stimulating applications to the

Nose, as Volatile Salts, burnt feathers &c
and Cataplasms of Garlic applied to
the feet.
5th Pediluvium
6th If there is flatulence a Clyster pipe
without a bladder, introduced into
the Rectum cures it

Lecture, 39th

Chorea Sancta Viti,

This disease attacks those, who have not
yet arrived at the age of Puberty, generally
within the 10th or 14th year, with a Con-
-vulsive, and ludicrous motion,
common to both sexes, commonly
of one side; with a partial affection of
one thigh, or leg; rather draging one
of their legs after them, than lifting it;
For the history of this disease; (see
Dr Cullen)

Chorea St. Viti

It is a paralytic - Spasmodic affection & has the appearance of nervous debility yet Emetics & bleeding are of singular service as Emet: & Cal. are the best & in large doses frequently bark or Columb. may be given between the emetics, & if the system requires Tonics

Rogers

Arsenic cures Chorea St. Viti — Tertipis — & many other Spasmodic affections —

Emetic of Ipecac. & a Dose of Basilic. powder — afterwards 2 spoonfulls of the following Mixt. should be taken 2 or 3 times a day —

℞ Essent. Salt of bark one drachm. dissolve in half a pint of water then add.

Tinct. Russian Castor. — ℥iij
Tinct Valerian. — — ℥oj
Tinct Lavend — — — ℥ss. Mix —

10 or 15 Drops of the Muriat. Tinct. Iron in a glass of cold Valerian tea & Chammomile

The predisposing cause is debility,
The proximate cause is excess or defect of action
It is often connected with worms,
Dr. Sydenham recommends Bleeding, but I think it is seldom useful or necessary,
Chalybeates are generally exhibited, but if nothing is given, it will go off at the age of Puberty
A Lady of this City who lived to 40 had this disease when young, died Paralytic, of one side; perhaps that side had been so affected, when she had this disease, as to make it weak thro Life,

The next disease is

Asthma.

I define it to be, difficulty of Breathing, coming on in Paroxysms, with a sense of straightness in the breast; and a Noisy Respiration in the beginning of the Paroxysm; there is either

Chorea. 1st Pth

Cure. Ipecac in nauseating doses &c.
Infus. Rafs. Quiac. & Cold bathing
Shower bath &c ——— Electricity —
℥ss to Dij water &c.

Asthma —
Cannot arise from spasm, or be a spasmodic affection, unless it be from spasm of the inter. muscles & Diaphragm. No muscular fibres in the lungs. Asthma produced by or arises from ℞ a Dis.

For the same appearances take place as from strangulation by any other cause. Circulation of blood thro the Lungs greatly impeded

Asthma like Consumption appears to be an Hereditary disease — In these diseases similarity of causes produces similarity of effect — which is the best diffinition

no Cough at all or the Coughing is difficult, but towards the end there is frequently a Copious Expectoration, Asthma is distinguished from dyspnea by not being constant, and from Peripneumony by not having much pyrexia or Cough.

The predisposing cause is hereditary debility from Malconformation, of the breast; or acquired debility, and is often connected with Plethora, that this is the case, I infer from the habits which it affects, and from its coming on in the Night, when there is most debility;

The exciting causes are Dry or Moist Air, and Changes of the Weather from heat, to Cold, and the Contrary, dust, certain winds, certain passions of the Mind, and certain Odours, repelled Eruptions, Indigestible food in the Stomach, Pregnancy, and Gout, any thing that debilitates will bring it on,

which can be given of Hered. diseases
some patients most liable to asthma
in winter & some in summer —
people liable to it during measles &c
sometimes leaves patients at the
age of puberty — most commonly
die dropsical. Consumptive Pt —
M. M. Emetic nauseating doses
Pol. odours as skunks oil. 1 drop
will instantly relieve a fit of asthma
steams of warm water water of Amm.
V. L. in full habits — Deep warm
in winter — particularly the feet &
cool in summer. Cal. & Opii in
small doses — Dict. patients should
be very carefull not to eat hearty
suppers — Milk which is extremely
pernicious to asthmatics, & others
who have coughs —

The proximate cause is excess, or deficiency of Action in the Vessels of the Lungs
Asthma is divided into the

1 Spasmodic, and
2. The Pituitous.

When there is most action, it is called Spasmodic; when least it is of the Pituitous kind, as it has been called but this distinction is improper, as the distinction of Apoplexy into the Sanguineous and Serous,
for when their is great action little Effusion takes place in the Lungs, and where there is defect of Action, great Effusions will take place;
These speices will change into each other, the Spasmodic coming on in the begining of life will change into the Pituitous in the decline of life
The Pituitous is always connected with deficiency of action; this principly occurs in the decline of Life,

7 Asthma depends upon a diseased secretion in the Bronchial Vessels — or peculiar kind of affection upon the ~~lining~~ / membrane lining air vessels of the lungs producing a viscid matter almost obstructing the Bronchial Vessells —

That it is a viscid kind of matter secreted by a peculiar kind of action appears from this — there is 1st. a Dry cough attendended ultimately with an expectoration of mucous matter —

one paroxysm seems to affect a change whereby another is more readily induced —

corpulent people most subject to it —

a want of oxygene, is perhaps the cause of this disease —

Remedies - Ether - asthmatic Tea. Skunks oil. Arg. Nit.[a] Oxygene Gas —

℞ Ether Vit. dr. j Tinct Opii gtt. 40 aq. fonth. 2 oz m. p. 2. n. s.

Emet. or tin. Antim. ℥i Oxymel. Scill. dr. b. —

Strong Coffee in the paroxysm of asthma recommended by Sr. Jno. Pringle —

Flannel next the Skin —

℞ Sulph ℥i pulv Senna & Ginseng a.a. ℥ij Nucis Moschat. ℥iss Mel. ℥ij. M. f. Electuary.

Take the bignesp of a nutmeg twice a day —

Dr. Jones is a striking instance of this, when he lived in N. York, in the former part of his Life, his Asthma was Spasmodic; now that he is about 70 his Asthma is Phthisicous.

For the history of this disease, I refer you to Dr. Cullen,

The precursors in this disease is, an uneasiness in the breast, in this stage Bathing the feet in warm water and a Gentle Ano-dyne will prevent it.

If it is neglected and it goes on to excess of Action, the Remedies are,

1st. Bleeding from 8 to 10 ℥,

Mr. Pope writes to one of his friends, that he feared he had not long to live, for his usual Remedy ~~had failed~~ for his Asthma, (Bleeding) had failed, accordingly he died soon after,

I had a patient who was constantly relieved by Bleeding for 9 or 10 years,

2d Cold Air, Sir John Floyer who

Dr. Cullen has placed this disease under the order of Spasmi or Convulsive diseases - but I think there are no muscular fibres in the lungs capable of such strong contractions &c. It cannot be from spasm or a spasmodic affection - unless it be from spasm of the Intercost. muscles or Diaphragm
one paroxysm seems to affect a change whereby another is more readily induced. corpulent people are most subject to this disease -
It is very unfortunate that there has been nothing found within the provence of medecine that can make a radical cure - but true it is there has been nothing found within my knowledge but palliative remedies -

The cure will depend upon changing the diseased action of the lungs - Debility undoubtedly will have a great share in producing the paroxysm
Emetics - nauseating doses during the fit - Opium in large doses, Antispasmodicks - as the fœtid gums &c. vol.c oddoy, peat Thunty &c one drop to musk in small dose - Ether oxygene Gas &c argent Nitrat
Tone section except in some particular cases rather tends to make the subsequent fit worse & when practised should be done with with - care &c -

was subject to this disease and has
written an excellent treatise on it
mentions that when he was attack=
in the Bed, his first remedy was to
Jump out of Bed open the windows
and sit in the cool Air, and he was
always relieved by it

3 Vomits. Dr. Akenside recommends
particularly Ipecacuanha, but it
is of little consequence what Emetic
is used, I have used Ipecacuanha,
Squills and Tart. Emet. equally
well in this disease, and I know
no difference in them,

4th Lenient Purges.

When deficiency of action commen=
=ces, we must have recourse to other
Medicines, and these are Stimulants,

1st Opium

2nd Squills and G. Ammoniac

3. warm Air, Sir Dr. Hawkins relates
of Dr. Johnson, he receiv'd an Invita=
=tion to dine, when troubled much

with the Asthma, his difficulty of Breathing was very troublesome as he went to the house, and was not diminished by being receiv'd into a Cold room. A fire was kindled, and as that burned the Doctr's Cough and difficulty of Breathing grew easier, till the room being perfectly heated he no longer felt them.

4th. Vapours are very usefull, this sometimes should be made more stimulating by the addition of a little Cayenne dish, put in the Vessel, from which the Vapour Arises,

5th. Blisters to the wrists,

6th. Pedeluvium, this is only to be used when excess of Action is taken down

Dr. Cullen says that this disease, has seldom been eradicated, but may be ~~eradicated~~ render'd less Vio=lent. The only secret of our Art,

is to know and distinguish the two stages in all diseases.

Preventatives.

1st 1. Occasional Bleeding when there is Plethora.

2. Avoiding indigestible food and full meals

3. Living in a Climate suited to the disease, very pure air is injurious, &c. Sr John Floyer says the air of London relieved him. A Citizen of Philad.a was relieved while in London.

High places are injurious to asthmatic patients, as in general, there is little Moisture in their air, and a certain degree of Moisture is beneficial

A Gentleman who belonged to Providence, and was troubled with asthma; traveling towards evening was caught in a Thunder Storm, to avoid the Storm he went into a Cave, and the rain continuing,

was forced to spend the Night there,
the Cave was rather damp, but not=
=withstanding he fell a sleep there,
and was much surpriz'd when in the
Morning he found himself without
his complaint, he afterwards returned
home but was unable to sleep with
quietness in his house; he then had a
bed carried into the cave, and slept every
Night there for a long time after;
Dr. Reid mentions near Henly in
Oxfordshire, a place cut thro a rock,
the Thermometer stood there at 43°
while it remained at 38° in the open
Air. the Air, Asthmatic patients
breathe here easily, this is owing pro=
=bably to the dampness of the place,
Travelers passing over the deserts of
Persia, carry sponges moistened,
this is very necessary, as the great
heat occasions almost all of them,
to be Asthmatic, at the time of their
Journey,

stoves are injurious, by taking away from the room the necessary degree of Moisture, but the disagreeable effects of them are remedied by placing a Cup of water on them which evapo= =rates as the stove becomes hot, and keeps up the necessary of Moisture in the room

4th By seatons if Plethora should at= =tend

5th Avoiding all occasional causes, particularly cold feet, and the succes= =sion of heat and Cold,

6th Pregnancy. Case of a Lady, whose Asthma, was suspended during Preg= =nancy

7th The Indian mode of Life.

A certain Mrs Lowry, who was taken by the Indians, the war before last, was subject to Asthma, while she rem= =ained with them, which was 7 or 8 yrs — she was not troubled by it, but when she returned home, her disease return= =ed;

8th Returning to old habits.

I was consulted by a Lady who had the Asthma I asked her if she had left off the use, of any thing to which she had been accustomed. She said she formerly used Snuff; but had left it off, and the disease had seized her since the disuse.

I then advised her to return to it; accordingly she did and recovered.

Cynanche Trachealis.

This disease comes on in the Night. It affects the same person more than once and is seldom attended with Inflamatory, but is mostly Spasmodic. Its diagnostic Symptoms are, difficulty of breathing, noisy, and squeaky Inspiration, loud Cough &c.

I divide it into 2 Species. Spasmodica, and Humoralis.

The predisposing cause of this disease is debility.

Its exciting causes are variable Weather, and indigestible food. I knew two Cases

It is an Inflammation of the Glottis Larynx, or upper part of the Trachea - by its peculiar diseased action it produces an adventitious membrane lining the larynx - & extending even into the vessels of the Bronchia - it is more commonly secreted in the bronchia than in the trachea which is evident from the wheezing -

It most probably proves fatal by interrupting the passage of the air into the extremities & allow the want of Oxygene - ~~therefore the want~~ in the blood - It kills like asthma from filling up air vessels & suffocates patients by excluding air &c

Remedies - Blood letting sometimes necessary though generally injurious - It is evident that there is inflamm^n in all cases

Puking by its peculiar sympathy with the lungs is very efficacious - the vapours of warm water taken into the lungs - the semicupium vapour bath - vapour of warm water exciting sweat - Blisters upon the Thorax - Opium & Calomel combined have most powerfull effects upon the lungs Seneka snake root -

Inspiration of azotic air, with a proportion of atmospheric air -

Emetics of Turbith Mineral & Ipecac -

of its being produced by cold Liquor being poured on the patients, one was a boy, he had a bowl of Punch whilst on him, and was seized with it soon after.

The other was a Girl who had a pail full of water thrown upon her, and was taken almost immediately after.

The proximate cause of this disease is the same as the Asthma of Adults.

It resembles the Asthma in Adults, It is seated in the Vessels of the Bronchia, but extends to the Trachea, this Membrane which is formed in the Trachea is an effect of the disease not the cause, and arises from the difficulty of throwing up the Mucus, which allows it to inspissate

It is considered by some as the cause of the disease, but it is merely the effect, and as much so, as Tubercles are the effects of Consumption.

Croup —

Symtoms are a peculiar ringing whistling sound in respiration. a dry cough quick pulse &c Bleeding profusely should be the first curative indication untill the respiration is rendered easy - then 5 or 6 gt.s of Cal. followed by frequent draughts of Decoc.n of Seneka Blisters to the throat &c, where Bleeding does not allay the symtoms Cal. should be given 2 or 3 grains every 3 or 4 hours - Emetick &c.

Dr Rogers —

Doct.r Stearns. method of treating the Croup —

℞. 20 gr.s of Call. combin'd with 8 gr.s of Cerated Glass of Ant.y. is the dose that I generally prescribe to an infant of a year old, when the disease has assumed its most alarming symtoms — This dose will opperate 2 or 3 times as an Emetic & as often by stool, & will always allevi ate the complaint, & sometimes affect a cure — If the disorder continues after the opperation of this dose, I give the decoction of Seneka, & at the expiration of every 8 Hours repeat the dose, till the cure is compleat —

In common cases one dose is sufficient, & I have never found it necessary to give more than four, & perhaps Lobelia —

The Cynanche Trachealis Spasmo=
=dica is known

1. By its coming on suddenly in the Night

2. Having a perfect Intermission of symtoms for hours, and sometimes days without any discharge,

3. By yeilding to Stimulants and An=
=tispasmodics particularly the warm Bath

The Cynanche Trachealis Humoralis is known,

1. By its coming on gradually, and mostly in the day time atten=
=ded with a little Cough, rotary eyes; this is by far the most alarming of the two,

2. By its continuing and creeping for several days without any abate=
=ment of its symtoms.

3. By a discharge of Mucous from the Trachea, and the occasional appearance of the mucous in the Stools

The Bronchia and Trachea of Chil=
=dren abound with much mucus,
and when it is accumulated
in preternatural quantities,
they are unable to bring it up.
It is not difficult then to account for
the formation of this Membrane,
for it is Analogous to what takes
place in the Nose.
The patient never dies before the third,
and seldom before the fifth day.
The remedies in the Cynanche T. Spas=
=modica are,
1. Bleeding, particularly if connected
with Pneumonia
2. Vomits.
3. Purges.
4th. Opium, warm Bath, Assa-foetida,
and Blisters
The remedies in the Humoralis are,
the three first for Spasmodica,
and Callomel, it should be given
in large doses, when it first appears,

it acts by encreasing the secretion of Mucous in the Esophagus, Stomach, and Bowels, thereby lessening it in the Trachea, and in this, it is Analogous to what happens in the other excretions of the Body, when the Urine is diminished Perspiration is encreased &c

Since these distinctions have been adopted the disease has seldom been mortal,

I have had an opportunity of opening two patients who have died of this disease, In one case the Lungs were perfectly sound, they and the Trachea quite free from Mucous and not inflamed, but appeared to be purely Spasmodic -

The other had all the symtoms of Cynanche T. Humoralis but there was no Membrane, I found however about two Spoonfulls of Mucous, in the Trachea, and the Bronchia were full of it, The next disease is

Dyspnea

This complaint differs from Asthma in the difficulty of breathing being perpetual &c.

Its causes are the same as Asthma It likewise arises from tumours, on the Trachea, from fat, and water in the Thorax, Abdomen &c.

I have seen one case of tumour, producing this disease, Morgagni, mentions one, and Dr. Say of this City, had one case this winter.

The remedies are the same as for asthma, with the addition of removing the Obstruction if possible

To these may be added a disease, seldom seen, and little known

The Angina Pectoris.

I have only seen it once and then it terminated fatally, Doctrs. Fothergill, Heberden have left something upon it, but our observations are not perfect enough to admit of the formation of a System.

I think it is a Spasmodic disease; and suspect it to be of the nature of the Gout. It comes on with great pain, and particularly whe going up a hill, or a pair of stairs

Dr. Rush told me that he had seen one instance of it.

The next disease, is,

Pertussis.

It is a Cough of a convulsive nature, from Contagion, threatning strangulation, is very sonorous; and frequently accompanied with vomiting.

For the history of this disease I refer you Dr. Cullen,

Children are most subject to this disease I have seen it in three Adults.

There are three stages in this disease, the one with excess the other with deficiency of action.

In the begining when there is excess of

Dr. R. has seen this cough without a whooping & a whooping without a cough –

Proximate cause appears to be morbid irritability chiefly of the Stomach with increased action of its mucous Glands — as Emetics give relief —

Inhalation of Oxygen Gas. diluted with atmospheric —

Causes. It is produced by a peculiar contagion of a specific nature —

Cure — It should first be attempted by an Emetic of the Tartarized antimony Wine afterwards the Mixture for this complaint

This disorder may be effectually cured by putting the system under the temporary influence of the Vegetable Poisons —

The following form when properly managed so as to affect the system with Nausea & giddiness has never failed with me — Rice

℞ Fol. Cicuta in pulv. ℥j
Mint water ——— ℥ij
Simple Syrup ——— ℥ij M.

A teaspoonfull to be given 3 times a day to a child of any age increasing the dose each time about 10 drops till it produces the effect

1st
1. Opium
2. Oil of Amber,
3. Tinct. Assafetid. and Garlic, this is particularly excellent.
4th Tinct. Cantharid. is recommended.
5th Dr Buchan recommends an exter=
=nal application, a pitch plaister, applied between the Shoulders,
6th Blisters to the Neck or sides.
7th The sedative action of Fear is only proper, when there is signs of action in the begining of the disease - -
8th Gentle exercise change of Residence, and Air, There are many superstitions Remedies for this disease to Wit - Garlic to the spine & pitch to the feet -

℞. Cort. Peruv. Pul. ℥ij Aq. font. ℔3 coque ad ℔2 colatura
un. 3. adde Tinct Assafetid. gtt. 15 Tinct. Opii gtt 10.
bin. sa. h. sumend.

Tinct of Artificial Musk –

Lecture 40th

Pyrosis or Water Brash.

It is a burning pain, at the pit of the Stomach, with plenty of aqueous humour belched up

It is sometimes called Gastrodynia, but this is only a Symptom.

For an account of this disease, see Dr. Cullen)

It is a Spasmodic disease, and is a mixture of excess and defect of Action.

It is to dispepsia, what Hysteria is to Hypochondriasis.

It affects Men, and women of a middle age, and is occasioned by all kinds of diet, particularly a vegetable one together with the passions of the Mind and Cold feet.

The remedies in this disease are, Bitters and Chalybeates, but Dr. Cullen

Is a disease of the secerning System:

It is a morbid secretion of the coats of the stomach of a peculiar quality, different from that in a healthy state -

Cure whatever restores the tone of the stomach as blisters Tonicks - stimulants &c avoid acescent foods

says they are ineffectual, Opium is proper during the pain.
It is a rare disease in this Country, on account of our eating more animal food in General.

the next disease is

Cholic.

I define it to be a pain and twisting about the Navel, the Bowels being generally Costive, and vomiting
In the Cholica Pictonum. Costiveness is not always present.
For the History of this disease, see Dr Cullen)
The predisposing cause, of this disease is debility.
When the disease is local, the debility is indirect, but when as is generally the case, the disease is of the whole System the debility is direct.
The remote causes, are a sedentary life, intemperance in Eating, and drinking, particularly such things

Cholic

This is evidently a disease of the absorbent system — it appears to be an interruption of the peristaltic motion of the intestines — there seems to be an inverted motion of the stomach & whole alimentary canal

~~This~~ Why authors have placed this disease under the class of nervous & order of Spasmi, must be attributed to their ignorance of its cause —

Dr. Cullen defines it to be a spasmodic constriction of the larger intestines # — As all erroneous theory lead to erroneous practice it is essentially necessary that we have the true theory —

) Dr. Cullens discription of this disease is too mechanical there is an irregular motion of the whole alimentary canal

Not very probable that the disease depends on a Mechanl. constrin. of a portion of the intes.ns This susprn. of peristk. Motn. if it contin.l tends to invert the motn. of the intes —

as are indigestible, drinking Acids, and half fermented Liquors and the fumes of Lead.

Exciting causes are,

Excess in eating and drinking, all which predispose to it, Costiveness, Bile. (Dr. Quin thinks that Lead, does not produce the Cholica Pictonum, but that it is owing to Bile) Ruptures, Stones of fruits, improudently swallowed under the belief that they help digestion, Calculi in the Kidneys, Blisters, Im-proper food, tight ligatures, and dresses, Cold feet, strong tea, and passions of the Mind.

The proximate cause, is excess or defi-ciency of Action in the Muscular fibres of the Alimentary Canal, accompanied with Spasm &c

Spasm alone does not constitute Cholic, because we find it in Hystria &c

Causes, whatever interrupts the peristaltic motion of the intestines; as cold feet - great fear - indigested aliment. acid food - sour unripe fruit. Oily substances - worms &c.

) when Cholic arises from cold feet or any other exposure of the body. Opium is a sure remedy

That there is excess of Action in the Alimentary Canal appears from Inflammation and Mortification of the Intestines and from the pulse. The precursor of this disease is gentle pain, when it first comes on there is seldom much action in the pulse. In this stage a few drops of Laudanum seldom fails to remove it.
I knew a Gentleman, when he felt it comeing on, to take 20 gtts of Laud. and it prevented the disease, after he had thus removed it for three times he had never an attack after.
The quantity of Laudanum here should be small.

The Remedies are.

1st When the pulse is full and there is excess of Action, Bleeding is absolutely necessary. Dr Cullen recommends it indiscriminately. I have found it necessary where the pulse was not full, and Dr Quin says it will always

Cure - the first indication in this disease is to remove the cause. when it originates in the stomach as it often does from indigested aliment. crude unripe fruit &c. an Emetic will perhaps com-plete the cure, & in all cases ~~where~~ where the disease originates from crudities or indigested aliment, or acid matter in the stomach, Emetics should be had recourse to, - when the disease originates from an acidity in the alimentary canal alkalies are usefull with simple water - the best is Magnes. mix'd with a little Cream then dilut'd with of warm water & given 2 ozs at a time & repeated till &c.

The object is, in this disease to excite the peristaltic motion of the intestines, an irregular, inverted, torpid state, of the Intestines - or a deficiency of regular action - is said to be the cause of Cholic - & not Constriction as the popular opinion is - Cathartics in General are injurious by leaving the intestines more w^k & ak after every operation - When Alk^s are pukes up, give Calomel in doses of 1 or 2 grains every hour, or Call. & aloes, combined, in divided doses - of 1 or 2 grains every hour, proves very effectual in

rise upon bleeding, I have been forced to use Bleeding after Opium had been given to no purpose

2. Lenient purges as Castor Oil, Crem. Tart. and purging Salts, Dr. Heberdens method was to disolve the Salts in water, and give them in repeated small quantities.

The late Dr. Cadwallader of this place, gave Crem. Tart. only, disolved in repeated small doses of ℥ss for four or five days. interposing occasionally the use of Opium.

3. Emollient Clysters Dr. Cadwallader never administered them till the Bowels were well impregnated with Crem. Tart.) during the use of these Medicines, Laudanum must be given in small doses, to suspend the pain, In four instances I have given Clysters of Cold water. that is water 20 or 30° lower than the heat of the Body.

Castor oil in divided portions — Sal. Succin.
Glaubers Salts with Senna in divided portions
has proved as good as any thing — in this disease
& very powerfull — & safe Cath. sometimes again aromatic
substances should be combined with Cal. & Opii as Hills Physic
will sit on the stomach as is sometimes the case, &
is very efficacious should not be given in so large doses
as usual. Tepid Feed with soda, warm injections
is immediately ejected, external remedies will
be peculiarly serviceable — as the Pediluvium
but must not be made too strong.
Sitting upon a warm block. immersion up to the
arm — sits in warm water — fomentations & warm
Blisters to Abdomen warm oily rubbing hot keep the feet warm &
applications to the abdomen. liquids known
& even the whole body warm ~~infusion~~ bath produces pers.
into the stomach are very pernicious
The term Billious Cholic has given rise to much wrong theory & practice
especially is this owing to want of Bile —
Costiveness is owing to a torpid state of the Intestines,
for want of its due stimulation — by its natural
stimulus the bile — Opium has been known to
remove Costiveness it seems to be a regulator,
to the abdn. of the system & may be given with warm fomen-
those remedies which obviate the torpid
state of the intestines are the only proper
remedies — tonics stimulants &c —
Costiveness is a sure attendant of this disease & it
is most likely to attack those of a costive habit —
~~A torpid state of the intestines is the cause of constipation~~ —
I have known Cathartics repeatedly given
while the disease still grew worse, cured at last
by stimulants — never be in a hurry to cure
this disease ~~Finally &c~~ — see —

This often does good. from the quantity alone it should be given from ℔j to ℔iij and I have heard of a Gallon being given with advantage, as it is necessary to throw it in forcibly. a Glyster Syringe, is better than a Bladder and pipe. In all the cases where I employ'd it, it was after Bleeding.

If first procured a discharge of wind and afterwards the faeces. In one case it gave most sudden relief.

4th After excess of Action is subdued Opium may be given in larger quantities: and likewise more Acrid purges may be employ'd, as Rhubarb, and Callomel joined to Asafoetida.

5th The Semicupium, is excellent here, tho not while action is unsubdued. I have seen it act like a Charm, after Opium had been used to no purpose.

6th Warm Stimulating applications to the Belly.

Ether a sovereign remedy in the Cholick

7th Stimulating Glysters, which stim=
=ulate from their quality,
as Turpentine, Smoak of Tobacco
sometimes relief is obtained by a large
quantity of Air and Water, thrown into
the Bowels,

Relief is seldom obtained till Seybella
appear together with a discharge of
wind,

8th Blisters to the thighs, these were first
used by a Jew Dr

9th Cold water thrown on the feet,
the feet and bowels are intimately
connected, and here it produces a
revulsion; which serves still further
to confirm the doctrine that ~~Cholic~~
Cholic is a disease of the whole System,
I have know two cases of Cholica Pictu=
=num relieved by a discharge of worms,
To prevent a return of this disease,
everything should be avoided which

Cholica Pictonum

When the disease comes on if the bowells are costive - a table spoonfull of castor oil is to be taken, diluting with Chicken or Mutton broth, it may be taken with Peppermint water or broth - After costiveness is removed & the bowells well cleansd - the following mixture is said to be very serviceable -

℞ Pt. Alb. ℥ij Alum. Rupel. ℥j Cochineall gr. iij
Aq. bullient. ℔j -

Mix these all well together in a marble mortar, & let the solution stand till cold & the sediment is settled to the bottom, then pour it off clear for use. the cochineal is first to be rubbed fine in the mortar - then the vitriol & Alum are to be added & also rubbed fine & lastly the boiling water is to be poured on the ingredients & stirred untill they are dissolved - Dose a table spoonfull for a man or woman, is to be taken every 6 or 8 Hours while the pain is considerable & to be continued every Morning fasting for several mornings when the pain has ceased - Castor Oil occasionally, an occasional opiate to be taken to ease pain &c. When it does not occasion retching or purging

produces it, as excess in eating Meat, half fermented Liquors, should be avoided particularly at Night, Strong teas, light Ligatures, as of Shoes &c. by obviating Costiveness, There is a purge very common here, among the lower Class of People, very usefull for the purpose, it is composd of, Crud. Tart. Crem. Tart. and Sal. Tart. in equal parts, two tea Spoonfulls may be taken, at any time, when Costiveness attends, by avoiding Cold, and wet feet, by wearing flannel next the Skin, and gentle exercise particularly on horse=Back. - - - -

The next disease is,

Diarrhea

I define it to be frequent Stools, sometimes Bloody, without any primary Pyrexia, and the disease not infectious, It is a disease of the whole System,

Iliac Passion –

Vene Section repeatedly – & ij or iijs of Callomel in very small pills ——— ℞.

---

increase the dose – drinking now & then a draught of Chicken broth when retching occurs –

It is usefull in pulmonic oppressions – where respiration is performed with difficulty – Catarrhal Coughs, particularly the Hooping Cough –

In putrid Sore throats where the fauces are clogd & loaded with sloughs &c –

In Hemorrhage from the Lungs – & to prevent a relapse –

In tropical Countries, pulmonic ~~disorders~~ disorders are seldom known –

Idiotism & Mania uncommon – Lunacy almost unknown – Scurvy & Gravel seldom to be met with – & the Stone scarcely ever –

Morely –

when it is confin'd to the bowels it is seldom of long duration.
Its being produced by Gout, Dentition, Passions, Cold feet, and Fevers, all prove it to be a disease of the whole System.
There is in ~~any~~ every stage of Life, some part of the body, most commonly affected by causes, which produce disease;
In Youth almost all the diseases, affect the Lungs; the Head in Old people; and in Middle Age, they are thrown upon the Bowels.
Between the age of 30 and 40 it most commonly attacks
There is often a particular, as well as a general debility in this disease, and is often produced by causes which act on the Alimentary Canal primarily as, Acrid substances, receiv'd into the Bowels, impure water, Stimulating, putrid, or Acrid Aliments, Acrid humours, as Bile, Pus, or Acrid matters poured into the Intestines,

This disease consists in an increased peristaltic motion ~~of the~~ & a diseased secretion of mucous. caused by Diet or Drink of a peculiar kind cold feet. worms. sometimes people acquire a habit to this disease from the causes abovementioned

from the Mucous follicles.
May not Diarrhea in the first stage of Consumption be owing to an absorption of the Matter in the Lungs and a deposition of it on the Intestines?
May not, that which appears in Pregnancy, be brought on by the stri=
=king in of the Erythematica. Erysip=
=elas?
Worms produce it &c
It produces obstructions in the Late=
=als, and Mesentery, particularly in Children.
Diarrhea from habit, often follows the Dysentary: the appetite is good to the last hour in this disease.
In habits predisposed to it, it may be brought on by a purge.
The proximate cause, of this disease is preternatural action, from Excess, or defect, in the Muscular fibres, of the Alimentary Canal.

It is sometimes, an obstinate disease, and has continued for ten, 16, and 20 years, hence probably the action in this disease is of a mixed nature.

The remedies are,

1st. Bleeding, there is only one case from simple excess of action ocur=ring from Plethora in pregnancy where it may with propriety be administerd and here the pulse, must determine the quantity.

2. Purges, they are generally im=proper, I think there is none proper but Rhubarb, for this alone has cured the disease, it is best when toasted.

3. Vomits of Ipecacuanha they determine to the surface.

4th. Opiates every night. I once knew an obstinate Diarrhea cured by pills of, Rhubarb, Ipecacuanha, a.a. gr. ij Opium gr. ss

Cure – Endeavour to restore the healthy action both by Ext.l & Int.l Remedies – sometimes an acid in the alimentary canal require the use of such remedies as will overcome this acidity. Opiates, astringents, Stimulants of a warm kind – perhaps the oak bark is the best astringent that can be made use of in this disease – assisted by ext.l Rem.s Balsams – Hck.s Hop & the extremities must be kept warm in such cases ~~wear Clothing~~

External applications to the abdomen as the Tinct. Canth. rubbed upon the abdomen large blisters applied to the abdomen. Red pepper – sprinkle the body with cold water & then cover with a warm blanket & wash & changing it also – sometimes lessening the diet – that food is best which is least liable to an accident fermentation in the Stomach – avoid oily food liquid aliments – In some cases of

5th Astringents. as G. Kino, Alum. &
Extract of Parsimmon it is said to
be very powerfull. White Oak Bark.
tormentile Root. and Port wine
6th Certain Stimulating Substances.
as Bitters of all kinds. but they are
seldom usefull, unlesse mixed
with Aromatick, as Cinnamon &c
Toasted bread, in burnt Brandy,
eat for supper + Case of a person
two years ago, in the Hospital who
was cured with these Pills. I have had
one similar case in my private
practice.
7th Certain Demulents, as the decoc=
=tion of G. Arabic. or Shavings of
harts-horn, called the white Decoction
Mullein leaves boiled in Milk.
Glysters of Rice Jelly, with a little
Ipecac. and Opium grij I once
tried it with advantage.

℞ The powder of Chalk, Opium, G. Kino & Galls ½ ℥.
put into a pint of water & boiled away one half
then add ½ pint Spirits & some loaf sugar - a
little Laudanum may be added if necessary
a table spoonfull to be taken once in
3 hours, or 3 times a day —

Balsam Copaiva and Turpentine pills

8th – Diarrhea often arises from Ani=
=mony. Peppermenth: or Chamo=
=mile Teas, are then proper.
A Gentleman was cured by drinking
three pints of toast and water, and
never had it afterwards.
Did this act by dilution or quantity?
9th Blisters sometimes cure it, but if
not; they suspend it. they should
be applied to the wrists. they will
always answer, while they run,
and when they cease, new one should
be applied: in this manner 3 of 4
will will be cured.
10th – A Suitable diet; when Acidity
prevails which may be known,
from the Green Stools; Animal
food may be given; when there is
Alkalescent Acrimony, which
is known by dark Coulour'd Stools,
Vegetable food may be given:

It is on this ground that ripe fruits, particularly Strawberries have per=
=formed a Cure.

11th Exercise on Horse-Back.

12th Sea Voage.

13th I once cured a Lady by chang=
=ing the Pump waters.

Dr Lind relates the case, of one who for two years infected all those who used the same Privies)

14th I have seen two cases, cured by the Pleurisy, one a Gentleman the other a Lady. This is another proof of its being a disease of the whole system.

Palpitatio

I have nothing to add, to what you will find in Dr Cullen)

Singultus.

It is a Convulsive Motion of the Diaphram.

Palpitatio Cordis

This is an irregular contraction of the Heart. it most frequently depends upon the state of the nervous System - but it sometimes ~~depends~~ originates from an Organic affection - m.m. It in Epilepsy Metalic Salts - as Sulph. Zinc which should be given in as large doses as the Patient can bear without puking & repeated 2 or 3 times in 24 hours - Opium is more succes-full in this disease than in Epilepsy Nitrate of Silver -

It is Idiopathic and Symptomatic
It occurs after Laughing, and is
occasioned from over distention
of the Stomach from wine
This disease is cured by a fright,
by certain stimulating substances,
as Oil of Amber, Sugar, or Ginger &c
by holding in the Breath, by a draught
of Porter, and lastly Opium

It is an obstinate disease, I knew
one case in this City, when it con-
-tinued two weeks. And heard of a
Gentleman in Virginia, who had
it two years, with little intermission,
There was a Young Lady in Warren
in Connecticutt, who had it without
intermission, Seven Months,
in the Eight Month she was cured
by removing the original disease,
Viz) Suppressed Menses,

Internally, red peppers steeped in milk - externally
in Spirits applied all over the region of the
abdomen. Tinct. Cantharid. Fill the Stomach
with light food &c N. S.

Dyspepsia

I define it to be a want of Appetite, Vomiting, Flatulency, Acid Eructations, Pain in the Stomach, called Gastrodinia, Heart-Burn, and for the most part Costiveness,

It is Idiopathic, or Symtomatic, I shall only treat of the Idiopathic

It is produced by causes which act directly on the Stomach, or Indirectly through the Medium of the Whole System,

Those acting directly on the Stomach are,

1st Strong teas, Case of a Physician who died in the 50th Year of his Age, Strong Coffee, the habitual use of Bitters producing Indirect debility, Aromatics, Opium, Tobacco & Ardent Spirits,

2. Acid Aliment of all kinds.

3. A frequent repletion, with gross food, overstretching the Stomach.

4th. A frequent repletion with watry Liquors, either hot, or Cold, Case of a Gentleman from this cause 1st.

The practice of drinking Cold water either going to bed, or after rising in the Morning is very bad. Hoffman condemns it,

5th. The practice of swallowing without sufficient mastication, called Boulting, This disease is common to Men of business and Study.

He that chewth not his food, Sin=
=eth against his own Life, saith Con=
=fucious

6th. Frequent Vomiting.

7th. The rejection of Saliva by Smoke,

8th - Sugar, or any sweet, taken in too large quantities; Dr Hoffman mentions a Case of a Lady from this cause, I was lately consulted by a Grocer, for a Dispeptic complaint, on enquiring I found that he attributed it to having eating too much of Sugar. he was obliged to buy very often, and generally tasted of every Specimen. he sometimes tasted of 20 or 30 H.h.ds in a day.

Those acting Indirectly ~~on~~ thro the medium of the whole System are,

1st - An indolent Life.

2d - Vexation of Mind

3d - Excess in Venery.

4th - Intense Study, particularly when long and late continued with the Body bent.

5th Frequent Intoxication.

6th - Moist and Cold Air,

7th Frequent Sailing.
8th Pregnancy,

The predisposing cause of this disease, is general or local debility.
The proximate cause is deficiency of action in the whole System, and particularly in the Muscular fibres of the Stomach.
1st There is a wonderfull accommodation of diet to the state of the Stomach.
2d There is an intimate connection between the Stomach, and the other parts of the Body.
Its connection with every other part of the Body, caused Mr John Hunter to call it the seat of the Soul; and Dr Cullen the Index of the Body.
A respectable Clergyman was always peevish till he had eaten his Breakfast.
Lord Chesterfield &c

The Duke of Marlborough, says, that were he to chose an Army, for an immediate Engagement, he would have Englishmen after a full Meal, Irishmen drunk, and Scotsmen hun=
=gary. Cardinal de Bentz carries this Idea still further, he says he would never risk a Motion, that he wished to carry in a popular As=
=sembly, before Dinner. -

1st The most frequent cause of this disease is Rapid Aliment.

In our Country the persons who suffer most from Dispepsia, from this cause are Germans, this arises from the great use of Cabbage, and Sour krout.

2. The intemperate use of Ardent Spirits, some of the Symptoms which point out this are, Sickness, and Vomiting, tremors in the Morning till after a Dram. a bloated face,

sometimes having a Rosy Appearance, no appetite for Breakfast, till tone is given to the Stomach by a dram. A peculiar offensive Breath. burning of the palms of the hands. and Soals of the feet. dry skin. and vicid Saliva. these are the first set of Symptoms, but afterwards others appear. As swelled Legs. Viscural obstructions. Epilepsy, Dropsy. Mania, Jaundice. Apo-plexy and Death.

Persons most liable to this disease, from the Intemperate use of Spirits are,

1st Scoolmasters: two thirds of them are Sots. Anthony Benezet, has told me that he was preserved from being a drunkard by the use of tea alone,

2d Smiths.

3d Sailors.

4th Soldiers.

5th - Coachmen, who ever heard of a sober Coachmen?

6th Physicians, a Country Physician, informed me that he preserved himself, by substituting Coffee; Necessity and Ignorance have led all to the use of Spirits. those persons who grow weak and Languid frequently have recourse to Rum in order to supply the deficient Stimulus

The Romans kept up the proper degree of Excitement, by Onions and Garlic. and the Jews supported themselves under the heavy hand, of the Egyptian Bondage by eating Garlic,

Remedies

We shall now go on, to treat of the remedies, in this disease. - these are,

1st - Palliative, or 2d - Radical.

The palliative Remedies, are,

1st - Magnesia, or Lime water.

2. Alkaline Salts.
3. Common Salt, particularly after dining on fish. Case of a Lady who was obliged to take a tea spoonfull of Salt after dinner to enable her stomach to digest the food.
4th Common Salt and Lime Juice,
5th Milk, this destroys the heartburn, when from Acidity, the Acid being envellopped in the Curd.
6th Opium. it eases pain. and is best given in Peppermint tea or water.
Not long since a Physician who was here on a visit, Breakfasted with me, just before eating, he drew a Box from his Pocket, and opening it, he took out a small Pill and swallowed it. On enquiry, he said it was a grain of Opium, and he could not retain his food without it.
The radical Remedies are.
1st Avoiding all the remote causes,
2. Vomits, as Vitriol. Alb. and Ipecac.

Vomits are now less used, than formerly, and the cure of Dyspepsia, may be safely undertaken without them.

3. Stimulants, under this head are comprehended.

1st Vegetables.
2. Saline, and
3 Metallic substances.

Under the first division are,

1. Vegetable Bitters, as Chammomile, Gentian, Wormwood, Centaury, and particularly Columbo, this should be given from ℥j to ℥ss in substance, or in Infusion: It is best when Infused only for 24 hours. These bitters should not be used for a long time, for they tend to induce Indirect debility.

2. Acrid Vegetables as, Mustard, Horseradish, and particularly Garlic, a Clove of this, may be taken every day.

The Nutmeg, and Spices, are too powerfull
Garlic is the most agreeable.
To these may be added Juniper-berries,
Orange-peel, Anise, and Fennel-Seeds,
infused in wine, water or Spirits
Dr Cullen, recommends Bark,
~~but that~~ I do not know its use,
3. Saline and Metallic substances, as
~~powdered steel~~ Rust of Iron, from x grains to ℥ss
or 8 grs of Ginger 3. times a Day
for a dose. Morning and Evening.
Sal. Martis in Pills. / Tar pills - Cayen Pepper
4th. A diet accommodated to the disease.
this is of the utmost importance,
and should be regarded in respect
of,
1st Quality.
2d Quantity
3. Time of Eating
1st. In regard to Quality. those are best
which are most Animalized. as
Beef. Mutton, Venison, Wild-fowl,
and particularly Oysters.

Salt Meat of these the parts nearest the Bone are the best: and the Roasted, digests better than the Boiled.

Food is either absolutely, or relatively nourishing. thus ℔ of Jelly is more nourishing than one Pound of Beef. But in this state of the Stomach. as it cannot be so easily digested. it is not so much so.

II In respect to quantity. the meals should be frequent. but small. Six Meals a day, are better than three. Gravies, and Broths. of all kinds are injurious,

Biscuit alone should be eaten. with the Meals. and no drink taken. the patients should not drink, immediately before eating, or immediately after eating; because

1st When there is but little water in the Stomach. it is less liable to a rapid Acescent fermentation.

during the time of eating.

2. The food lies more in contact with the Stomach. and is less liable to pass too soon over the Pylorus.

3. It is more properly fitted for the action of the Gastric Juice. than when there is much water in the Stomach.

4th. It is less liable to be washed over. into the Duodenum: before it is fit to pass there.

To render food effectual. each kind should be taken alone. If the Stomach rejects food it may be given to the patient in Bed. Mineral waters have been retained when given in this way. and Sea-sickness is less apt to attack a person. when lying on bed. indeed there are cases. where a Man will be more fatigued by putting on his Cloaths. than by walking 30 Miles

Dr. Sydenham recommends lying in bed in Mania. from debility.

Not only Animal food, has cured this disease, but Vegetables also, Turnips and Milk, — Roasted potatoes, but not Boiled — are recommen=
=ded, and have succeeded. and I can easily con=
=ceive why they should, for they are both gently Stimulating, and are accommo=
=dated to the Excitability of the Stomach.

The Milk of the Cocoa-Nut is very good. I have made use of Almond Milk with advantage instead of Cow Milk: this is made by triturating them ~~with water~~ in a Mortar, and then pouring water on them &c perhaps if they are taken alone, it will help them to lie on the Stomach.

It is common to forbid Butter, but I have not found it hurtfull. It is well known that it helps digestion, and agrees perfectly well with the delicate Stom=
=achs of Children. From its Stim=
=ulating and Nutritious qualities I forbid it in diseases of Plethora; but in other

cases I see no propriety in denying it to the patients. when it is well received by the stomach. It may be used freely in Dispepsia.

Dr Pothergill tells a story of Dr Mandeville. he was one day dining with the Earl of Mansfield. as the dishes came on the table. the Earl asked the Dr if such a thing was wholesome. do you love it? says the Dr. Yes replied his Lordship. does it agree with you? said the Dr. very well answered the Earl, then eat it returned the Doctr

The Stomach should never be quite empty. for it favours Spasm and flatulency. Eggs. and particularly the Yolks are good.

The drinks should be Madaira, Cherry, or Lisbon. wines. or Porter, if they do not agree with the Stomach. it has been usual to allow Brandy, and water to the patients. but the

Remedy is worse than the disease.
Dr. Fothergill reproached himself at his death bed, with having made many Sots, by allowing his patients Brandy and water. he was accused of it publickly, in St. Thomas's Hospital, by Dr. Hunt. this coming to Dr. Fothergill's Ears, he waited on the Dr. and desired an explanation. Doctr. Hunt told him, that he really be=
=lieved what he said, but that he did not mean to attaint Doctr. Fothergill's Character or Morals, as he believed no body was better, but that he ascribed it rather to an error of Judgement, than intention. this satisfied him. A Case however happened which entirely broke him off from prescribing Spirits. A Young Lady, a relation of his being Sick, he prescribed Ardent Spirits for her,

She recovered, but became a Sot af=
=terwards and died one. he afterwards
much reproached himself, and never
made use of it again.
Simple, or toast and water if the
stomach can bear it, are the best dri=
=nks, and when a Stimulus is wan=
=ted. Chammomile tea may be used.
this very soon becomes agreeable to
the patient; I have heard of two tea=
=cups full of warm water, drank for six
weeks, in bed before rising perform
a cure: but it is not necessary to use
it so long to be serviceable.
When the disease arises from the excessive
use of warm Spirits, they must be
left off entirely. People are apt to be
afraid of doing this, but I never
knew an Instance of its being ~~fatal~~
hurtfull.
Doctr Letsome indeed relates one,
but it is one of a thousand.

when there is a total, or sudden abstinence from Spiritous Liquors wine or Beer may be substituted for a little while; but strong bitters are better.

I knew a Negro who was cured of that exacrable love for Rum, by its having been mixed with Tart. Emet. and another case, where an ~~Eel~~ Eel had been put in it.

It was probably by raising the Association of Ideas, that Moses cured the Children of Israel, of Idolatry, by means of something he dissolved a Golden Calf, probably it was by Hepar Sulphuris, this mixture is very nauseous, by obliging all the people to drink of it, they could never after lift up their Souls in prayer to Idols without the Idea of the exacrable draught they had taken, and thus were prevented from

that Sex.

If every thing failed the influence of Religion should be called in, which has often succeeded and saved men in this situation.

When the disease arises from Sea-sick=ness. the remedies are.

1st Laxatives.

2d Opium.

3. Tying up the Stomach.

4th. Lying with the heels higher, than the head.

5th. By keeping some Aliment ~~upon~~ in the Stomach.

6th. Cold Bath.

7th. Bran and Salt-water. A Gentleman told me he always prevented it by loosing a little blood.

Dispepsia. arising from Pregnancy. I shall treat of hereafter.

Hypochondriasis

It is so called from affecting the Hy=
=pochondriac region. the obstructions
which are found there are the conse=
=quences not the causes of the disease.
It is a disease of the greatest deficiency
of Action of any that is connected
with Spasm.
I define it to be a dispepsia. with
fear and distress. Spasmodic affections
appear in the Stomach and Bowels.
with flatulency, Gastrodinia &c
I have brought this disease in here,
for the same reason that I did Gout
in the end of Inflamatory diseases.
because it was much connected with
the order of diseases which follows.
It is connected with Spasmodic
diseases only by two evanescent Sym=
=toms ~~diseases~~.
The proximate cause is deficiency
of Action in the Stomach and Alim=

=entary Canal. accompanied with similar deficiency in the whole System. The causes of this disease are the same as those of Dispepsia.

It is often brought on by affections of the Mind, Fluor Albus, repelled Erup=
=tions, and bleeding piles.

It is distinguished from Dispepsia.

1st By having less spasm, and no vomit=
=ing, the irritability of the stomach being worn down.

2. Its being attended with greater or more durable and steady apprehensions of danger and Evil.

3. By the Symptoms of Dispepsia being often symptomatic.

4th By the Dispepsia being a common and frequent disease. the Hypochon=
=driasis as rare a one.

5th By dispepsia occurring in early life, the Hypochondriasis in advanced Life.

It is distinguished from Histria,

1st From its having no Globus Hystericus.
2d From its affecting men more than women
3. From its affecting those who lead a sedentary Life
4th From the Alternate Diarrhea, and Costiveness, which attend it
5th From its being relieved by warm, and injured by Cold weather, this being just the contrary in Hysteria,
6th By its being accompanied with Dispepsia, and constant low Spirits.

Hysteria and Hypochondriasis, differ only in that, the last is a higher degree of the same disease, here then the controversy which has so long agitated Physicians ends.

Hypochondriasis is then to Hysteria what the Typhus is to the Typhoid diathesis, as the Typhus differs from the Typhoid, in its remedies so does Hypochondriasis, from Hysteria &c

Histeria passes in Hypochondriasis, but they do not always precede and succeed each other, the link which con=
=nects both is Dyspepsia.

Doctr Cullen says that Histeria, is a disease of the Sanguine; the Hypo=
=chondriasis of a melancholic temper=
=ament. and I think I have seen the last mostly affect Men of dark Com=
=plexion. There is an excess of the venereal Appetite in the Hypochon=
=driasis. This is said to be cured, or restrain'd by Camphor, and the Monks are said to use for this purpose.

Sometimes the two diseases are blended together, and is the more difficult to cure.

The Hypochondriasis is distinguished by Melancholy. In the first the ap=
=prehension of fear and danger is confined to himself, but in Melan=
=choly they extend to external, and less interesting Objects.

Cure.

All the remedies in Dispepsia are proper here. but all are not effectual,

The preparations of Steel and Bitters make no impression upon the Disorder. they are not injurious but only inert, on account of the great defect of action in the system.

The Cold Bath is hurtfull. the Body having too much torpor to be affected by the subsequent application of warm air, and hence must prove injurious; by encreasing the debility.

The Remedies are

1st. Those that are adapted for the Body.

2d. Those suited for the Mind.

The first of these comprehends

1st. The warm Bath.

2d. warm drinks as tea, and Coffee,

these are highly grateful.
Cold drinks are injurious, when cold drinks become disagreable it is a certain sign of an approaching Hypochondriasis
3 – Opium is the best remedy, from its good effects in those diseases, where the Mind is affected. it has been called the Medicina Mentis
4th – Ardent Spirits have been given but the remedy is worse than the disease. I am much affraid that Dr Brown has done more injury to Mankind, by introducing those poisons into the Materia Medica again, than all his usefull and elegant discove=
=ries will do good.
Madaira and Sherry wines, I once cured a Gentleman, by recommending wine to him. I met him in the Street where he asked my advice, at the same time telling

me his case. I then advised him to go home, and drink his half pint of Madeira wine a day. not long after I met him again in the Street when with a smiling face he told me he had drank his wine and entirely recovered from his disease.

If these fail - then

6th Mercury should be given. I have often cured this disease, by raising a plen=tifull Salivation. this acts in two ways

1. By stimulating the System.

2. By diverting the Mind to another disease. (viz) Soreness in the Mouth.

3. Exercise. this is the remedy principally to be depended upon. It should be of the active and passive kinds. riding on Horse-back is the best and a long Journey should be preferred

Before mentioning the remedies suited to the Mind. I shall relate those

feelings of it to which they are to be accom=
modated.

The patient has a false Judgment.

1st Of his disease.

He fancies he has every disease enume=
=rated in the different Nosologies of Phy=
=sicians. particularly if he reads
Medical Books. sometimes he thinks
he has a living Animal in his body.
Capt. Friend thought he had a wolf
in his Body. sometimes he thinks he
is dead

2. Of his Physician. he thinks they do
not understand his disease. or if they
do. they do not attempt to remove it
hence he changes them very frequently.

3. Of his Medicines. he thinks they trans=
=form into Beasts. such as Dogs. Cats &c.

The Hypochondriasis. runs into
Melancholy. as the Histeria ~~does~~ does
into Hypochondriasis.

Debt, says Mr. Burke is a real Evil.

and it very often brings on this disease.
The Hypochondriasis is still further distinguished by one symtom. from all other diseases: this is despair.
In the most excruciating fits of the Gout. and stone. under the most dreadfull losses of property. health and friends: there is still a desire for Life.
It belongs to this alone. to tear up the rooted passion for existence, which Heaven, hath placed in our Souls from the horrid situation of the Mind the knife. the sword. the halter. or the more silent distruction of an Opiate dose are resorted to.

The Remedies are.

1st 1. To accommodate the conduct, to the patients state of Mind. the Physician should always appear grave, in his sight: and treat him with becoming propriety and attention,

and should never drop a hint to the patient or any of his friends, that he considered his disease as imaginary. I once heard of a Patient who thought he was dead. his Physicians laughing at him, on which account he angri=
=ly dismissed them. he was afterwards cured by another Physician who hu=
=moring him and pretending to beleive he was dead, proposed opening him, this proposal agitated the dead Man so much that he recovered, Yet he always believed that he had been dead. and that his Physician had res=
=tored him to Life, by his great Skill.
Q. Every kind of Amusement, Busi=
=ness is still better. and of other, that which leads to the aquisition of pro=
=perty, During the late War, none had it who took an active part. Wealthy Merchants who retire from

Business. generally have this disease.
While I was in England, I ate at an
eating house. kept by a Man who in
the former part of his life, having
suddenly acquired a fortune of £10..000.
set up a Carriage threw aside his
business, and went into, the Country.
growing tired of Idleness, and being
indisposed he laid down his Carriage
and returned to the City, and again
set up his eating house. The only
cure in this case is a return to bu=
=siness. ~~the Extitement~~
3 The Extitement of some Active and
Stimulating passion, A sudden fit
of Anger. A Student who thought
himself dead, ordered the Sexton to toll
his Bell. the man not attending must
to it, gave quickness to the sound of the
Bell, which was quite displeasing
to the dead man, in a great passion

he got up, run to the Belfry, kicked the Bellman down stairs, and rung his own Bell, with great solemnity for an hour and a half. The exercise d^e restored him to his senses.

4th. If Debt is the cause, we may be assured, the Man is honest, and should advise him to surrender to his Creditors. Such is the Lenity of the Laws, that many Men after Bankruptcy, have retained their Character, and again risen to fortune and respectibility.

5th. If it be from false Opinions of the Spiritual State, as

1st. That he has committed the unpardonable Sin, we may assure him that no man who ever thought so had committed it, and further that no Divines agree on which is the unpardonable Sin, if-

2. That has the object of divine Ven-

=geance. we may unfold to him the comfortable hopes of salvation. thro' the Mediation of a Saviour.

6th. We should produce if possible, an entire new association of Ideas In order to do this every thing about him must be changed.

A Gentleman in South Carolina. cured himself by changing his Cloaths. and emtying his pockets.

7th. and lastly. by traveling: this shou: be in a warm Climate, with a new Companion. and in a new Car=riage.

Lecture, 41st

We now come to treat of the third order. of Nervous diseases (viz)

Vesania. or

The diseases of the Mind.

In entering on this subject. I feel like the Jewish Legislator. when he was

bid to take off his sandals. before he trod on Holy ground.

The diseases of the Mind have been but little attended to

By enumerating the powers of the Soul. we shall come to the knowledge of the diseases which affect it. I shall consider in the following Order, those which affect

1st The Understanding.

2. Memory.

3. Moral faculty.

4th Passions.

5th Conscience.

6th - And the absence of all these powers, constituting fatuity.

The following propositions I shall take for granted.

1st I assume it as a fact: that the Body acts upon the Mind, and the Mind upon

the Body reciprocally.

2 – That all the opperations of the Mind, are carried on, by means of Motion, in the body.

I prefer the term Motion, to that of Action, because it is less perceivable, and likewise make use of it in preference to Oscilation, and Vibration.

Our Ideas of Motion, have been too much limited; like Matter it may be diminished.

Were a Microscope, of sufficient Magnitude to be applied to the Brain I have no doubt, but that a motion, would be observable in it; for every opperation of the Mind, for every act of the Will, Memory &c

A Being of Superior Intiligence &c

It is immeterial, whether these motions are propagated by Æther, or by the vibration of the hard Substance of the Brain.

In a Mast. of more than an 100 feet in length. the noise made by the Scratch=
=ing with a pin on one end. may by ap=
=plying. the ear at the other. be there distinct
=ly heard.

Sound is conveyed a great distance, by the frozen Earth. of this we had many instances during the Late war.

How easy is it to conceive, of animals, who depend for their existence on Earthquakes &c.

Who would believe that the growth of plants is accompanied with sound, yet many late observations confirm the opinion. that they do.

"The Brain is a moveable power; but it is imperceptable"

The action of the Nervous. and Arterial Systems have great effect on the brain and on other Motions. and on the degrees of these motions.

In Mania. the Brain is generally found dry. In Fatuity the Brain is found soft.

Lieutaud, and Doctr. Arnold have made large collections of Brains, of diseased persons, they found in all either water, Hydatids &c.

But they are the effects, not the causes of Disease.

Dr. Stoll tells us, he dissected the brains of a Maniac; where there was no morbid appearance, but was found perfectly sound.

We should not trust greatly, to appearances after death.

The Antients attributed Madness, to Black Bile.

"The health of the brain depends upon motions, as well as a certain degree of motion in the rest of the System."

"Perfect health of mind consists in a certain Medium in motions of the Brain"

In my Introductory Lecture, to the diseases of the Nervous System.

I laid down a scale of diseases, as pro=
=ceeding with the progression of Civiliza=
=tion.

Desania, are produced by a higher degree
of the causes of those diseases which have
preceded.

We are now going upon a new System,
in the Brain. the first is.

Mania.

I define it to be a false perception of truth,
or the relations of things, upon all subjects.
By a just perception &c I mean as things appear
in the Divine Mind.

Madness is in this hearts, while they live,
Saith Solomon. and St Paul, speaks
of a conversion to God=liness, as a resto=
=ration to a sound Mind. but Madness
from so extensive a cause, is excluded
from being the object of our present
enquiry.

The second Species of Mania, is defined,
a false perception of truth in human

affairs, and pursuits, every inordinate pursuit in pleasure or Business, is a species of Mania

The following is a list of Mania's.

1st Liberty Mania.
2d Money Mania.
3d Land Mania.
4th Military Mania.
5th Duelling Mania
6th Virtuous Mania.
7th Alchemical Mania.
8th Love Mania.
9th Pride Mania.
10th Rambling Mania.
11th Ecclesiastical
12th Historical
13th Musical, and
14th Patical Mania.

These kinds of Mania I exclude entirely from the present subject.

A fact of a Madman in England.

Who was obliged by his Physician, to use the Cold Bath. he one day met the Servant of a Fox-hunter. and asked him how much it cost his Master, to maintain his Horses. and Hounds. the Servant said £500, and how much does he sell his Foxes for, again said the Maniac. for nothing said the Servant. I wish replied the Mad-man my Physician, could see him, he would soon recommend the Cold Bath.

Those who differ from the common sense of Mankind are said to be Mad.

Doctr. Sydenham himself, did not escape this imputation. when he introduced the Cool Regimen.

I go on still further to limit ~~still further~~ the object of our present enquiry.

That Madness I am now to treat of I define to be a false perception of truth with conversation and Actions, contrary to right reason. established Maxim, and Order,

The proximate cause of this disease is an excess or defect of Motion in the Brain.

There may be, either of these, to a certain degree, and not Madness.

In Men of Genius, the motions are very quick and Irregular, yet there is not Madness connected with it. those very motions if carried to excess, would be the disease, if But Men of Genius are seldom subject to it.

Dryden says very justly.

"Great . . . to Madness near is near allied"

"And their partitions do their bounds divide"

Weak men have this disease from defect of Action.

The predisposing cause of this disease is debility, either direct or Indirect. or too Much Excitability.

It is sometimes Hereditary. it generally

appears in middle Life, but I know an instance of its ouwring in the decline of Life

A Lieutenant of the late Genl. Montgomery told me it was the wish of the Genl. to die in early Life suddenly, and if Married Childless, this wish apparently dreadfull; appears truly proper when the reason is shewn: his family were subject to an hereditary Madness, which generally attacks them, about the age of 50, to escape it he wished to die before that age, he wished a sudden death for the same reasons, that many do, that ~~they~~ he might avoid pain, and to depart Childless, that he might not entail so dreadfull a complaint on a successor.

Part of a Carpenter in the Hospital &c

Remote causes are,

1st Excess or defect of Circulation of Blood

in the Brain. hence fevers are con=
=sidered as remote caused. Delirium
is divided into two Species (Viz) the
Ferox and Mite.

Delirium Phrenitis is only an
acute Mania from excess of Cir=
=culation. The Mania from Typhus
is acute from deficiency.

It often follows the debility from Parturition.

Van Sweiten relates a Case where Mania
recurred every Spring and Autumn.

Even dreaming is only a temporary Mania.

2d Intemperance in the use of Ardent Spi=
=rits. they act first by producing
excess of action in the blood vessels. and then
in direct debility: hence arises Mania,
from deficiency of action.

The case of two Men in the Pennsylvania
Hospital. from this cause. one was cured
by Wine. and the other by Bleeding.

3. Violent and sudden emotions, or passions of the Mind. as excess in Joy. Sorrow, Love. Hatred. intense application of the Mind to one subject &c.

Dr. Mead in his account of Mania says that he formerly heard Dr. Hale Physician to Bethlem Hospital, and of great experience in these matters. say more than once, that in the Year 1720, even Memorable for the South Sea scheme ~~one~~ he had more patients committed to his care, whose heads were turned by the immense riches ~~they~~ which fortune, had suddenly thrown in their way, than of those, who had been compleatly ruined by that Abominable Bubble.

Doctr. Goldsmith relates a fact of Lord Molyneux who unexpectedly coming to a large Estate, was so overjoyed, as to hang himself in the Madness it occasioned.

There is a fact likewise to the same purpose in the History of New York.

Lord Lonsbury on being made Gover=
=nor: which he had long solicited, was so
rejoyced, that he made a large entertain=
=ment: called all his friends together,
and after retreing into another room,
cut his Throat.

4th - Various causes acting on the Body,
as want of Sleep, great Labour, partic=
=larly when exposed to the alternate Ac=
=tion of heat and Cold, Grosf and un=
=wholesome food, and drink, Garlic in
large quantities. Poisons. Excess in Venery,
Histeria and Hypochondriasis. Solitude,
the too frequent seeing Tragedies, and
Executions.

In England there are three causes, for its
being so common, these are,

1st Solitude.
2d Tragedies.
3d - Executions.

The proximate cause, leads us to distin=
=guish two species of Mania. these Van=
=Swieten calls the raving and Melan=
=cholic.
Dr. Brown has taken notice, only of
the Sthenic.
For want of better terms, I shall call
these two species Tonic, and Atonic.
the first depending upon excess, of Action.
and the second upon deficiency of Action
in the Brain.
The degrees of Mania are distinguish=
=ed, by the number of the powers, of the
Mind, affected; the highest degrees,
affect the Understanding. Memory.
Immagination. Judgement. Moral
faculties, and passions.
The lowest degree the Understanding
only. this Dr. Cullen calls the Melan=
=cholic. It is only a higher degree of Hy=
=pochondriasis, and differs from it

In the Judgement being more perverted. unattended with Dispep=
=sia. and the patient denying that he has any disease. Fears leave them and Madmen seldom feel distress. but on the contrary, some are very happy. distress is the connecting Sym=
=tom, of Hypochondriasis and Mad=
=ness

The term. Melancholie is therefore improper.

Lecture. 42

How shall we account for Madness. sometimes affecting the whole Brain. and at other times only one part.

1_ Some passions affect the Brain at once

2_ Others affect it Indirectly, seizing one part first. and by means of that, affecting the whole Body. as Hepatitis. brings on a general Inflam=
=mation,

3. There are cases where the Understan-
-ding is affected, and no other part.
this is Analogous to local obstructions.
in other parts of the System. that
do not from peculiar causes, produce
a disease of the whole System.
This last species, is very common,
it happens generally to Religious
Enthusiasts
It appears to have been the Malady
of the Celebrated Swedenburgh: who
on all subjects, except his Visions, was
a very agreeable man. It is likewise
the case of Jemima Wilkinson,
who had a prevversion of Judgment.
in Religious Subjects. but is not defective
in other respects.
To punish such Characters for their
erroneous principles would be a crime,
committed against good Government,
and the Magesty of Heaven.
In a Letter I lately had from Dr. Per-
-cival, he tells me of Mr. Brown,

who was attacked by a Highwayman
in the struggle with him he killed the
Man. this affected him so much,
that he thought God for this deed,
had Anihilated his Soul.
The Madness of Don Quixote, was
well immagined as it is confined
to this principle of the Mind.
A Certain Jno. Derberow of this place
who thro' the loss of understanding
supposed himself, the proprietor of
Pensylvania, and was constantly
making out Deeds of it. In every
thing else he was perfectly sensible.
If it was wanted, many similar
instances might be mentioned,
to show the perversion of the under=
=standing. But I have only to add.
that this Species sometimes, comes
on with a general affection of the
other powers of the Mind. which
however is of short duration.
Dr. Cullen calls this Species Insania Par=
=tialis.

The Madness which occurs after Parturition is Sthenic. this is accounted for on the same principle, as the strength in Tetanus.

Hoffman relates a case of a woman who meting with a little riffle a few days after Childbearing was seized with Mania.

The precursers of Tonic Madness, are,

1st Great Watchfullness and Eccentricity

2d Great appetite Costiveness. Headach, and vertigo.

3d Instability in all pursuits, and unusual extravagance.

4th Irrascibility and Jealousy, without any apparent affection of the Mind.

The precursers of Atonic Madness, are,

1st The symtoms of Hypochondriasis. Love of Solitude. Watchfullness and unusual taciturnity.

2d Chillness of the Body. Aversion to Motion,

and a Slowness of the pulse, and Respiration.

3. Costiveness, impaired Appetite, evacuation, paleness and dryness of the Skin, and an indifferance with respect to external things.

To prevent the first, the patient shou^d be withdrawn from all business, and be engaged in pleasure. Studious Men have found relief by changing their Studies.

Roseau after severe application read Poetry.

The celebrated friend of Sir Isaac New=ton, (Mr Mc Laurin) read Novels, and romances, to relieve his Mind, from the Mathematicks, and so great was the number, that he had perused that Dr Gregory told me, that his opinion was asked of the Character of every publication in that Line.

Besides the body should be reduced by abstinence, moderate Labour &c and all the exciting causes to be avoided.
In preventing Atonic Madness, the patient should be drawn from Solitude.
Sir Isaac Newton approached very near to this disease; in consequence of having secluded himself ~~from~~ a long time over his favourite Study. he was cured by being persuaded, and brought into a lively and gay Circle.
Dr Boerhaave, passed one, Six weeks without Sleep; and was cured of a tendency or near approach to this disease; in the same way.
The body as well as Mind, should be attended to likewise; and exercise, Journeys, Stimulating drinks to be recommended
The Symtoms of Tonic Madness are, great watchfullness, Irascibility,

Incoherent Ideas, and Deep rooted Opinions, accompanied with Revenge. Wild Staring Eyes, great terror, and fierceness in the face, Singing &c. Great bodily strength. Great insensibility to Cold, Vomits Purges, Contagions. the pulse is generally tense, full, and sometimes quick. the appetite unnatural and generally keen. Great Costiveness, and Obstructions of the Secretions.

Where these have Liberty, they resemble Beasts and Devils, rather than Men. they tear their Clothes, and throw them into the fire; they besmear their faces with Excrements, and fly from human Society, to Church-Yards.

These Symptoms are varied by the number of the powers of the Mind affected.

Shakespear, has drawn the best pic=
=ture of Madness. in his Character
of Lear, and Edgar, the first pos=
=sesses the Tonic. the second the Atonic,
Species.

The Tragedy of King Lear I would
refer you to as superior to all the dis=
=criptions of Physicians.

It sometimes it terminates in death. in
three, four, or ten days.

The Symtoms of Atonic Madness are great
taciturnity. fixed position of the head,
downcast look. indifference to all around.
neglect of dress long nails and Beard.
dishevelled hair &c.

Coldness of the surface of the Body.
dry Skin, change of Colour. accompa=
=nied with dark spots. defect of Appetite.
a constant spitting of tough Phlegm.
which adheres to the Beard.

(I remember this to have been particu=
=larly the case with Sammy Wallace
in our Hospital)
A languid slow pulse, and respiration.
of the Secretions, when unconfined they
seek for Solitude, rather than Society &c
They are generally inoffensive, this
species, seems to have been that which
formed the disease of Nebuchadnezer.
And it is probably that the idea of his
looking like a Beast, was taken from
the length of his hair, and Nails.
This species Shakespear too describes,
in Edgar, when he assumes the Cha=
=racter of a Maniac.
This kind of Mania, sometimes
affects all the powers of the Mind.
but it is more frequently confined
to the Understanding, and passions,
and seldom to the Moral faculty.
This sometimes continues, 10, 15, 20, or
30, and even 50 Years, but sometimes,

terminates fatally in Epilepsy, Hys=
=teria Hypochondriasis and Fatuity.
We are not to suppose that Madness,
always appears in these two forms.
they sometimes alternate with each
other. and that very rapidly. sometimes
they are blended together, from excess of
action in one part. and defect in another.
and lastly there may be great action in
the Brain. without the Arterial Sys=
=tem being brought into Sympathy.
The probable Issue of the disease, is known
from the following remarks.
1. Where Madness is hereditary it is
incurable.
2. When Madness arises from fevers
Parturition. Intoxication. & Poisons,
it generally yeilds to Medicines.
3. When from violent emotions, it is less
difficult of cure. than when from passions.
4th. A return of any Antient habit.
is a sign of returning health.

Dr. Willis knew that the present King of England, was recovering from his begining to speak very quick, which is his usual Method of speaking so successfully, but cruelly satirized by Peter Pindar.

5th. Madness is much less incurable now in England than formerly. Dr. Willis, says he cured the disease, in 3 Months. this success is owing to the great attention paid to them, and the excellent administration and contrivance of Hospitals, in England.

The confinement of Maniac's in Cells, is a disgrace and reproach to Pensylvania.

Lecture. 43.

Cure.

The remedies for Tonic Madness are,

1. A removal of the patient from his own house, and family, to a place of confinement, Airy, and among Strangers. If they are outrageous, the Mad Shirt must be put on, in order to restrain, their fury.

2. Bleeding. this is indicated by the pulse which is generally full, and hard, and must be regulated by it. I have known ℥xx of blood taken, restore a Maniac in one day; this was the case of a Barber in our Hospital. when Bleeding does not immediately cure it, it renders the patient, more composed, and consequently more manageable.

3. Vomits, and nauseating Medicines. the first act by debilitating the Whole

System, and should be often repeated.
Where the whole System is brought into Sympathy; Vomits are preferred to Nau=
=seating doses. the others may be used.
when the Action is not very great.
and of a mixed nature. and when
there is a tendency to Atonic.
4th Purges. these are very proper. drastic
purges should never be used.
Dr. Cullen recommends Soluble and
likewise Cream of Tartar. to be rep=
=eated. two or three times a week.
perhaps the three last are only pro=
=per where the ~~three~~ whole system is
affected.
5th Dr. Parry has rendered himself,
famous in England. of late for cu=
=ring this disease. by compressing.
the Carotid Arteries; and thus pre=
=venting the afflux of the Blood to
the Brain. It shou'd only be used

in this Species.
6th Cold Air. or Cold Water. this acts by debilitating.
Doct. Brown says the application of cold should be continued. till the patient is almost killed, and till the pulse is hardly felt. this is very proper. and analogous to Bleeding ad deliquium animi, the use of cold immersion cannot be too much recommended in this disease: When it is objected to Dr. Cullen recommends the Clay Cap. as a substitute. and it is very usefull. Cold applications, are proper, after the head is shaved. I have seen good effects from Cold Vinegar, or Water applied to the head. perhaps Snow, or pounded Ice, would answer better, when the excess of action is Local. Case of a man in Maryland who when Mad, run out from his friends, in the Night,

naked, and spent the whole Night exposed to the cold in a Marsh! In the Morning he returned home, in perfect health.

7th — Hard Labour; the late Dr Gregory told me of a Man, near Abberdeen, who used to cure raving Madness, by using the patients in a Plough, like Oxen, digging, turning; turning a hand Mill &c is of great advantage.

8th — Low diet, as Milk, Vegetables &c

9th — Neutralizing, or diverting the ruling passion of the patient.

(See my Oration)

I believe a table of Attractions, with respect to the passions; may as well be formed as in Chemistry.

Plutarch relates a fact of the Virgins of Miletus; a certain Mania seemed to be Epidemic among them, which induced them to commit

Suicide; to prevent this an Edict was passed, which ordered all the Bodies of Suicides, to be exposed naked in the public Streets. the sense of Shame operated so powerfully, that no act of suicide was after heard of.

Thetis - diverted Achilles, from his intentions respecting the body of Hector - by calling in the assistance of Love.

A Woman in Philad.a County, was cured by a number of persons, playing Cards with her, the whole day, one succeeding the other, as they grew tired. This is perhaps the only case, where Cards, ever did good, where every power of the Mind is affected, these I grant would be ineffectual,

10th - Musick, if this has ever done harm it has not been accommodated to the degree of Excitement in the Brain, That it hath powers,

to appease Madness; we need only, read Drydens Ode, for St Cecilias day to be convinced.

But we have authority of a higher nature, and indisputable truth. the simple harp of David, appeas'd the Madness of Saul.

In Tonic Madness the most plaintive tunes should be played.

11th Madmen should never be unnecessarily opposed, or Irritated.

The Physician should gain the confidence of the patient, every thing that is tender and kind should come from him, he should appear to enter into all the veiws, and wishes of the Maniac, and be his only friend. Whenever force must necessarily be used, it should come from any one, rather than from the Physician, nay it should seem even to

be done. without his convent. and against his will and entreaties.

12th – A due attention should be paid to the dress. and apartments of Maniac's clean liness is indispensibly necessary.

13th – Are there any Medicines, which may be used in the cure of Toni Madness? Many have been recommended. but I know of none that are certainly efficacious. Hellebore. which formerly. so much employed. seems to have done. good only when it purged. the same. may be said I believe of Borax, which has lately been used. much more may be said of Camphor. Doctr Dobson relates some facts of Camphor which may lead to the employment. of it. He gave ʒiij in one day. and it always reduced the pulse, It reduced it in one

case from 80 to 70 strokes in a minute, and in another from 70 to 55 ℔.

The Digitalis has cured Tonic Mania

Dr. Withering speaks highly of this rem=
=edy. it cured one case in the Pensyl=
=vania hospital.

Is Opium proper?

I believe never. I have seen it do harm.

Dr. Cullens Opinion, concerning its sedative effects, and his advice, to give it, in order to take down Excitement in this disease; is false.

The Remedies, for Atonic Mad=
=ness are,

1 The Warm Bath. such is the torpor of the System, that it must be used for many Weeks, and even Months, when it begins to affect the System the Cold Bath may be employed.

2 - Wine, and Ardent Spirits. these often cure it. when it proceeds from an In= =temperate use of them. I have seen a pint of wine. in one hour. convert a pa= =tient from a Beast. to a Man. and I cured another by strong Brandy Toddy.

3 - Opium this produces wonderfull effects. Dr. Sydenham has left a record in its favour. Whenever it ocurs from, Parturition. Nervous fever &c - Opium is a sovereign remedy. if it fails. recourse must be had to Wine.

Dr. Anthony Fothergill, recommends the Hyosciamus in preference to Opium, because it doesnot bind.

4th - Blisters. and Caustics. Blisters are seldom of service they have long been recommended; but Caustics are the best they should be applied to the Neck in this disease. If Blisters fail. it is only from the weakness of their Stimulus.

I have seen four cases in our hospital, from the spontaneous production of Abcesses, in different parts of the body cured of this disease.

Dr. Johnson tells us in his Life of Dean Swift, that the Dean enjoyed a temporary return of reason during the continuance of an Abcess in one of his Eyes.

5th Dr. Parry cured the Tonic Madness by compressing the Carotid Artery. What would be the effect when in Atonic Madness we ~~we~~ should compress the Jugular Veins. the effects of this would be to ~~return~~ prevent the return of the Blood and cause an accumulation of it in the Vessels of the Brain.

6th From the effects of fever, in tonic Madness, I should suppose it to be a good remedy An Epidemic fever, once restored many of the Maniacal patients, in the hospital.

and there is one instance of a Cure,
from Angina.
Few Madmen die, without having,
just before their death, recovered their
reason,
Cervantes, shews a great acquaintance
with the nature of Man, in his ma-
-king Don Quixote, in his last moments
perfectly natural, and to lament over
the follies of his past Life.
In all these instances the stimulus of
the fever brings the System to that tone
which constitutes rationality.
7th – Certain stimulating passions shou-
be employed, as Anger, and terrour.
8th – The effects of Music may be tried
here with safety, it should be of the
most lively and Animating kind.
9th – Exercise, Confinement is very
improper. Walking is serviceable.
Riding in a Carriage, and Horse Back.

should be used. Cleanliness should be attended to. Shaving; Cutting the hair. pairing the Nails &c. are all necessary.

10th. What would be the effect of Salivation? from its good effects in Hypochondriasis. I should think it would be of service here. I have long wished to try it. but the unwholesomeness of the Cells, in our hospital has prevented me. I would however recommend it to you

11th. What would be the effects of Narcotics? perhaps those causes which produce tonic Madness, may cure the Atonic. the sudden good effects of ardent Spirits in Mania. from drunkenness makes the conjecture probable.

A return for an old custom is a sign of returning health –

Dr. Willis knew that the present King

 We come now to treat of the diseases of the

Memory.

Weakness, or Defect of Memory.

This is called by Dr. Cullen Amentia. It alone may be destroyed every other power of the Mind remaining entire. The Memory is the most wonderfull faculty of the human soul. that operation of the Mind, by which it retains the knowledge of facts, which have passed many days, or one day before, has never yet been explained.

"Prescience", says Dr. Reid, in the Deity, is not more wonderfull, than that Man should have the remembrance of things, which have existed 30 Yrs ago.

The period, from which the Memory dates its facts, is various. It is however, very early.

Doctr. Mays told me that he became Blind at the age of eighteen Months,

and that he still remembered a certain ~~cat~~ Cow, and the Plaid dress. then so much worn in Scotland.

Shakespear. the Philosopher of Nature. makes it begin at three years of Age, in the Tempest. where Prospirus ~~makes~~ questions Miranda of her recollection.

The Mind cannot attend to two things at once, hence the reason why early events are not remembered.

We acquire Ideas while young and names afterwards.

According to Dr Gregory, we learn, more, in the three first years of our lives, than in any thirty afterwards.

The Indians possess very little power of remembrance, the Memory improves with the progress of Civilization. Literature, and refinement.

The manner in which the Indians remember long Speeches is, for several of them, to sit in a row, the first attends, till he has his Memory, sufficiently.

charged. he then Jogs his Nibour who all this time had been looking about. the second then attends, till his Memory is loaded: thus they go on till the Speech is ended. they then retire, each throws in his proportion. the whole is Collected, and an Answer is made.

Many Nations of Indians, can count only the number of their fin=gers and toes. 20. and not beyond that. There are some Tribes of Russians so Ignorant as to be able to only to count 3,

Man is an Infinite decimal part of the Deity.

St. Paul says it does not appear 8=

There are four Species of Memory. 1. For Words. 2. for names. 3 for numbers, 4th for Ideas.

Each of these powers of the Memory

appear to occupy distinct portions,
or Cells in the Brain.
Children, and Players possess the
first in the greatest perfection.
Cyrus, when he called the names
of an Army, consisting of an 100..000
Men shewed an instance of the second.
King Geore the 3d is a living Instance
The third species was possessed by a
certain Jedadiah Buxton,
likewise a Slave in Virginia of the
name of Thomas Fuller, and two
Gentlemen in this City.
I shall relate only a few Anecdotes,
of each of these persons.
Jedadiah Buxton, went one day
to Church, as he was a poor Man,
and meanly dressed no one opened
a Pew to him, and he stood in the Al=
=ley during the Sermon, the Minister
took notice of the attention of the

Man, and after service asked the Sexton if he knew who he was, the Sexton not knowing him, the Clergyman then went to him "Friend said he, you appeared very attentive while I was preaching, I dare say you can repeat almost the whole Sermon" No returned Jedadiah, but I can tell you how many words you spoke" he told him, and the Clergyman on counting them found he was exactly right, This same Man went to a play one night while he was there, he appeared no way intrested, in what was going forwards, and the first thing he did when he went home was to tell how many words the Actor had spoken.

Thomas Fuller, first began with counting the number of grains

in a Bushel of Weat. and next the number of hairs in a Cows tail, he at length acquired so much Arith= =metical knowledge, as to be able when you have told him your age, to in= =form you, how many Months, Weeks, Days, hours, and seconds, you have lived, and this in five minutes time.

There lived about 30 Years ago in this City, a Man who knew the age of every Man in the place that he was acquainted with.

There was another Citizen of the name of Logan who remembered his friends after a fit of Palsy by their ages, and the books in his Library, of which he had a considerable num= =ber by the year, they were printed in. Of all words but numeretical he was Ignorant, but his understan= =ding was still good.

Each power of the Mind, seems to ocu=
=py a different part of the Brain,
perfection of Men consists only in
possessing every Species of it.
Doctr Nesbit once informed me,
he could not remember the dates
of any events.
Doctr Lardiner once forgot his own
name. he went to visit a friend,
on comeing to the house and enq=
=uireing for his friend, he was answer=
=ed he was not at home, the Servant
asked him his name, the Dr in vain
endeavoured to recollect it. at length
he told the Servant, (being ashamed
to tell him of his forgetfullness)
that it was no matter he would
call again, going down Street he
met an Acquaintance who called
him by name. "thank you Sir
said the Dr I now know my name"

which I had forgot before: he returned back directly afterwards, and left his name with the Servant.

The Celebrated Linneus as we are informed by the writer of his Life, after a stroke of the Palsy, forgot the Maiden name of his Wife.

If you wish for more information on this curious Subject, see Dr. Battie on the Memory.

It is owing to a defect of Motion, that a total absence of Memory, takes place. It is owing to excess in some part of the Brain, that we are unable to recollect a word, or name at Night, We remember it, perfectly well in the Morning, this extends even to the understanding. hence the propriety of consulting our Pillow, in all difficult

cases. and dangerous situations,

Lecture, 44th

There is a fact. of the exercise of the Memory. A Gentleman after a Nervous fever. lost his Memory for names. for instance if he wanted. a knife to cut an Apple, he would asked for a Bushel of Wheat. Sometimes there is an Oblivion of the sounds of words. and yet a perfect remembrance of the Ideas, and letters of a word.

A Clergyman in N. England after a stoppage of the Bleeding Piles lost his Memory afterwards: he would ask how a person did in this manner.

"How, d,o. y,o,u, d,o,?"

A Gentleman in this City forgot how to pronounce the word Butter. but could tell how it was made. and its use.

I think I have observed something like a Palsy, of the Memory, in Gent. who could not remember the differance between a Jug, and a Pitcher,
Another person I remember, could never learn which way to wind up the Regulator of a Watch.
I had a School-master who tho he had a great Memory, for Idias, had a very bad one for words, he spent a Week, in learning one simple rule in the Latin Grammer, (viz) the Dative and Ablative Plural are the same.

Remote Causes are.

1, Intemperance in Eating.
2. - - - - in Drinking.
It is a Spanish Law, that a person who has been convicted of Drunken=
=ness shall never bear testimony

, in a Court of Law -

3d - Excess in Venery.

4th - Grief.

5th - Lesions of the Brain.

6th - Fevers, especially of the Typhus, and Plague.

A Clergyman formerly of New Dasy in consequence of a fever, at the age of 19, lost his Memory, and Learning, after he recovered, he began to learn the Languages &c sometime after, his Memory and Ideas suddenly returned.

The case of the celebrated Dr Healand, was similar to the above, at a very early age he made considerable advance in Learning, after a fever he lost his Memory, and had again to learn his letters,

and go on through the common preparations of Literature. he afterwards became one of the first Divines in Europe.

7th – Gout translated to the Brain.

8th – Palsy, and Apoplexy.

9th Vertigo.

10th – Excessive Bleeding. particularly for the Epilepsy.

11th – Drying up an Old Issue.

12th Snuff; hence you will remember the case of Dr. John Pringle.

13th – Terror.

14th – Oppressing the Memory with too many words.

Dr. Lemmerman, relates a case of a Swiss Divine, who by endeavouring to learn his Sermons by heart, that he might deliver them with

the grace of an Orator lost the power of remembrance

Children often have it injured by obliging them, to commit long Speeches, Grammer rules, and even Catechisms to Memory.

In removeing this disease I shall include Moral as well as Physical Remedies,

The remedies for the Moral, and Physical kind, are,

1. Avoiding all the remote, and ocasional causes.

2. By close attention, and frequent, repitition of which we wish to remember. Men who accustom, themselves to tell even a lie, get at length to believe that it is a fact.

Dr Watts advises, whenever you

hear anything, that you wish to rem=
=ember, to repeat it if you can with
propriety in the first company,
you enter. this is a very good rule,
"Science is not science till revealed"
3. By calling in the aid of two, or
more senses,
The senses reciprocally assist each
other. it is for this reason that Chil=
=dren, and the Vulgar read loud, the
Ears, and, Eyes, acting together, to
the more perfect recollection,
4th By Association. when a group of
Ideas is receiv= into the Brain, they
are lodged in different parts,
in this situation the motion of one
excites that of others.
The Memory is assisted by Asso=
=ciation
1. By the person placing himself,

in the situation he was, when he heard what he wished to remember.
2 - By the pleasure that accompa=
=nies the reception of the Idea.
3 - By pain. this was the origin of a custom in England of a Fa=
=thers whipping his Son, at the Boundaries of his farm.
This too is the reason why Wo=
=men remember every thing. they learn or see, about the time of Child=Bearing. A Gross fellow in this City, said that every wom=
=an, who once had a Child, was a living Almanack.
4th - The Memory is helped by Association, of Arbitrary Signs, as tying a knot, in a handkerchief. putting paper in the Sleeve, and

tying a string round the finger &c.

5th. By sounds. it is by the remem=
=brance of past scenes, of social
Endearments occasioned by it. that
a certain tune operates to produce
the. Melancholy. There is
a tune which I heard and was much
pleased with when a ~~Boy~~ Child,
which tho there is nothing remark=
=able in it, and indeed it is not an
harmonious tune; I can hardly
hear it at this time, without shedding
tears.

6th. By certain Words, one word begets,
the remembrance of another, tho they
are not alike in sound.
There was formerly a man here of
the name of Alixander. Alixander,
a person wishing to find him, but

unable, to repeat the name, said it was something like, point, no point, this was sufficient, he was readily found; but the Misfortune was, that the poor man, ever after went by the name of point, no point.

7th By certain letters.

A Physician, formerly a fellow student of mine, could never rem=
=ember, whether, there were two ar=
=teries and one Vein, or two Veins, and one Artery, in the Umbilical Chord, 'till he thought of the two letters, as in the last syllable; in Dr. Boerrhaave's name.

For further information on this subject, (see, Drs. Lock, Read, and Battie,

5th. Under the general head by filling the Mind only with usefull know=
=ledge, and usefull facts:

Dr. Johnson was so very carefull, of not admitting any thing, but truth and real Science, into his Mind. that he said whatever Mr. Joshua Raynold says, I attend to, for I know him to be a man of truth. but whatever that Rascal says . . . . mentioning another person, I attend not at all to; for, I know him, to be a liar; and whenever there was any thing trifling going on in Conversation, he would never at=
=tend to it. and if asked what he was thinking of: he would answer, Tom! Thumb,

6th It is further improved by the exercise of it. Memorandum Books are improper in early life, but in age become necessary.

The Physical means are,

When it is from excess of Action, avoiding all the exciting causes.

When it is from defect, or what I call Palsy of the Brain, Tonic Remedies, must be used, the Cold Bath and gentle Exercise, Mr. Pope, says nothing excites Ideas so much as a trotting horse.

What would be the effect of Stramonium. In deficiency of Memory probably a good effect might result from it.

I believe that no Idea once lodged,

in the Brain is ever lost. the facts which I formerly mentioned of the Countess of Laval. (see page 14.) countenance this opinion; neither shou: we be surprized at this, a grain of wheat, once held in itself every grain, which has ever ripened on the Plains. This is Analogous to what has happened in the Animal world. the whole human race, were wonce envellopped in the body. of our common parent Adam,

The next is,

Fatuity.

This consists in a Total absence of Understanding and Memory, the passions, and Moral faculty. sometimes existing in a small degree. The passion of Love, is generally

the one, which is present. if any,
This is the case of one Michael, in third Street. if you see him at any time, he has always, a Sweet=heart to talk about.
The proximate cause is a total absence of Motion in the parts of the Brain, which contains the parts affected.
Slobbering, Lolling of the tongue, and ludricous Gestures, accom=
=pany this disease.
1. The powers of the human Mind appear to spread in families; I belive that no sensible or great Men are Born, of foolish Mothers. for this reason we see whole fam=
=ilies of Children remarkable for Genius; or the want of it,

At present, we have too few Observations to make a System. but I fell certain of these remarks

2. It is occasioned by falls, Lesions of the Brain, fevers, intemperance in eating and drinking, violent passions of the Mind &c.

3. By Old Age, it is a Melancholy truth; that we are but once Men, and twice Children.

Too much moisture, and too much dryness of the Brain, is equally bad to fatuity.

It occurs in Old Age by reason of the dryness

This disease has been cured in Children; by a fall, and a Burn.

A Daughter of the Celebrated Doct. Priestly, lived fatuitous till thirteen

when she fell out of a window,
and after her recovery became
extremely sensible.
I have known a Burn cure it, like=
=wise the Cold Bath. Chalybeates,
and Exercise have all cured it.
From the effects of Burns, what
would be the effects of violent Stim=
=ulants, as Caustics?
Stramonium might do good.
Dr. Percival relates a case of a
person who lived in a state of Idiot=
=ism, till she was 34 years old,
when being seized with a Consum=
=ption in her last Illness; she reco=
=vered her reason, and Astonished
them all with her sense and wisdom.
That which arises from fevers,
often goes off; of itself or by Exercise

and cold Air, if these fail the Cold Bath ought to be used.

That from Old Age, is seldom cured but may be prevented.

Dr Johnson attributes Dean Swifts fatuity, to a resolution he had made not to read, after his Eyes had failed and to his extreme Avarice, which made him avoid Company, that he might not be at the expence of Entertaining them.

The want of employment of the Mind in Old Age, is the chief cause of it,

Country People who have no rel=
=ish for Books, are generally fatu=
=itious.

In Cities it is more rare, Compa=
=ny, can be procured on easier terms.

than in the Country, and supplies the place of Books and Business. Dr. Franklin is an Instance of the excellent effects of literary attention. In the decline of Life he retained his powers in full per=
=fection to the last, and his latest publication about three weeks before his death, was a work of the Imma=
=gination.

As these powers of the Mind decay, such is the nature of Man, that consolation is drawn from their failure.

"I love my Memory," said Anthony Benezet, to me; but in this I have the advantage over you. When you read a fine Book once you rem=
=ember it, and it is irksome to read

it again, to me it is ever new,
I read it again and again, and
draw fresh delights from every
repetition.
It is worth remarking, that while
every ~~human~~ ~~very~~ other power, of the human
Mind departs, while the Understan-
-ding, the Memory, the Vivid Im-
-magination decay, the Moral fa-
-culty never fails, the
"Immortal never fading friend of Man
"His guide to happiness on high."
For the diseases of the Moral facul-
-ty, I refer you to an Oration,
on the effects of Physical causes,
on the Moral faculty.
The reading of it will save as much
time, which would otherwise be taken
up in Lecturing on the subject.

(Valete)